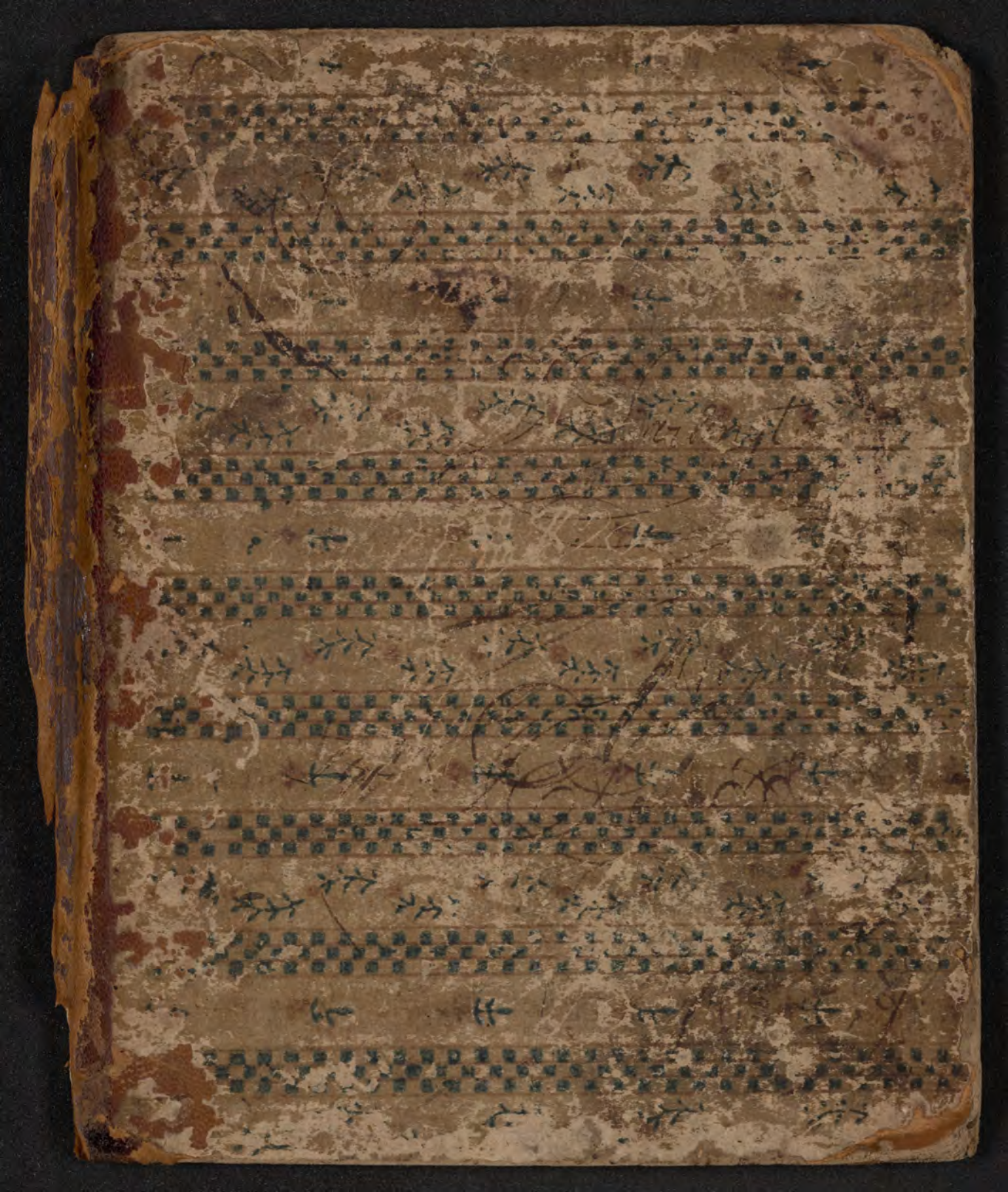

Presented to
The Chester County Medical Society,
By Wm Darlington.

In Templum Medicinæ non licet intrare nisi Pulsus comprehenditur.—

Rush.—

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Notes

Taken from the Lectures of

Benjamin Rush M. D. &c. &c.

Professor of the Institutes, and

Practice of Medicine, in the

University of Pennsylvania.

"Let no Man enter the Temple of Medicine who is not acquainted with the pulse." Rush.

By William Darlington, Student of Medicine.

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Therapeutics.

January 7th. 1803. Lecture 47th. We have considered the Human System in its healthy, and morbid, or diseased states. We come now to the consideration of that division of our course, called Therapeutics; or the Methods of removing diseases. I shall only examine, says Dr. Rush, the different Classes of Medicines. For particulars I must refer you to the Lectures of professor Barton. I shall first deliver a few preleminary remarks. On the powers of Nature in the cure of diseases. Volumes have been written on this subject. We are directed carefully to watch her operations. Influence of the Loueyk. (Here Dr. R. read part of the oration in his volume of Inquiries, &c. being relative to the subject now under consideration.) By

By Nature, Dr. R. means physical necessity!- Nature is too feeble to cure even the diseases of brute Animals; in which her operations are most perfect-. Dr. R. is not the first enemy to Nature, as Physician- Dr. Sydenham said that the plague should be taken out of her hands-. In the cure of a lap we have recourse to purges; and in hemorrhages to the lancet- In sweats to diaphoretic remidies, &c.- Rely not upon one outlet only in the cure of vident disease- It has been said that by making one we obstruct another; but this is false: In a pleurisy we do not obstruct sweat by bleeding-. Are there any diseases in which it is improper to have recourse to Art in the cure of them? Dr. R. answers yes.- Such are eruptions on the heads of children- The piles in old people, &c.- Intermittent fevers should not be speedily cured when they succeed mania- Nor the Rheumatism after pulmonary consumption- Instance, Dr. Monro's Daughter-. Chronic sores in old people should be approached with trembling hands- In young people you may substitute evacuations (as setons, &c.?). The Dropsy

should not be suddenly cured, if of long continuance — death has been quickly the consequence. Itch should not be cured in Hypochondriacs until the predisposition is removed — Pain may become necessary to the support of Animal Life — vide Darwin —. Happily for us, this is but seldom the case —. Coughing, in old people, becomes necessary — A Quack in Philadelphia, cured a cough in an old man of 80; after which he soon died —. Countries, Counties, Cities, and local circumstances should be considered in the management of diseases; as they require a specific treatment — In all ages and countries the seasons should be attended to — No two seasons are so alike as to require exactly the same treatment — Always attend to the reigning disease — The habits of the people should be studied —. Natives of Cities require less active Medicines than those of the Country, or sea faring people —. In the Revolutionary War, the Soldiers from New England were affected with home-sickness, which forbade depleting remedies —. The Virginian Soldiery craved salted meat, and could not easily be cured without it, when diseased —. With the

With the eating of it, would also be associated the pleasing idea of their native homes, con:
:nections, &c.—. The Frenchman must have his Soups— the Irishman his potatoes & grog; &c. "What is one man's meat is another man's poi:
:son." Peculiarities, both natural and acquired, should be well understood by physicians.— Some people cannot bear the taste of sweet things— we should, therefore, always prescribe in the presence of our patients; and inquire into their habits of diet and drink— It will save delay and trouble—. Habitual diseases should be inquired into—. In chronic cases, inquire into the diseases of Ancestors— We should look back beyond the <u>second</u> genera:
:tion—. Consumption swept off several in a family in Virginia whose Ancestors had not been affected by it—. The same thing occurred in Pennsylvania—. Age should never be over:
:looked—. In acute diseases go back a week or two in your Inquiries— In palsy, &c. a year or two—. Excess in venery in youth may oc:
:casion gout, dropsy, & Melancholy in old age— &

In Love, recourse must be had to relatives for information.- To inspire confidence as far as reason, religion, and truth will permit is necessary in the practice of physic, and of the utmost importance.- Be very circumspect in the presence of your patients;- Dr. R. once told a gentleman, for his consolation, that he had known but one to die of his disease- It had quite a contrary effect; as the gentleman informed him afterwards.- Remember general predisposing debility- it has cleared immense rubbish from the science of medicine. Attend to the occurrences of this debility in diseases- then is your time to pay medicines- patients are apt then to think they have least need of them, and sometimes omit them until a paroxysm comes on, when they may do harm- debility is not confined to the forming stage, alone, of diseases.- Convalescence requires particular attention- Nurses and friends often interfere to the disadvantage of patients.- Many sick people have been snatched from the grave by physicians maintaining their authority-

It is sometimes necessary to do nothing but watch our patients; or give bread pills to those who think they must take medicine—. The Scurvy has been cured by colored Water; Dr. Choice of Medicines—. All diseases may be cured by a few—this will make us understand their Action better, and save much trouble in practice—. A Lady in England was bled by a Surgeon—an effusion of blood taking place in the cellular membrane, another Surgeon was called in, who told her it was of no consequence—. This was not satisfactory—a second was called, who told her it was nothing but a little effusion of blood; and gave her a liniment to apply to it—but this did not satisfy her—a third was called, who said "It is an Ecchymosis, Madam"!— This was sufficient, he was accounted the best Surgeon; and the others knew nothing!— We should give a name to every disease, Gentlemen,— It is necessary to the establishment of our characters as Learned Physicians—! A name is always looked for. Vulgus vult decipi, ergo decipiatur!

Jany. 8th. Lecture 48th. Manner of using Medicines - The object of Medicine is to equalize excitement, and obviate subsequent debility - Dr. Cullen begins with stimulants first - but this improper - We begin our cure first with depleting remedies - Bloodletting, cold air, water, ice &c. - Hiccough is cured by cold water; owing to its abstracting stimulus - Fresh and salted food - Salt meat is less nourishing than fresh - A total abstinence from food is sometimes necessary - by thus abstracting stimulus, - a stimulus may afterwards be used which will overcome the stimulus of disease - Diseases have been cured in this way, without any other means - It (abstinence) favors the action of stimulating Medicines - darkness abstracts the stimulus of Light - Silence the stimulus of sound - thereby favoring the action of other stimuli - Excitement should be gradually abstracted, or lessened - It thereby gives the excitability time gradually to expand itself - Dr. R. believes in the doctrine of the specific action of stimuli - Different stimuli

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stimuli act on different parts of the body. In the treatment of diseases, the stomach should be considered as the regulator of a Watch. Some poisons by entering the stomach are taken into the blood. Vide Smith on this subject. Cathartics. After a large dose, much less will be sufficient. the bowels being left more irritable. No solid food should be taken by the patient whilst under the operation of a cathartic. Cathartics should never be given in cases of direct debility. it is better to encourage costiveness. In diarrhoea, and the first stage of dysentery they should be omitted? Vomiting may be excited, first by tickling the fauces with a Feather. warm water, &c. Secondly. by such Medicines as act feebly; as Ipecacuanha, &c. thirdly. by such as act powerfully; as Tartarized Antimony and Turpeth Mineral, &c. After Intoxication, and after taking Laudanum, the first is preferable. the warm water dilutes the contents of, and distends, the stomach. For discharging bile the second is preferable. For dyspepsia the third is to be preferred, as Tart. Ant.

also

also in cases of head-ache, proceeding from a dis=ordered stomach – It has sometimes cured ophthalmia and Tooth-ache – Bubo was once cured by it – Dry skin relieved by an emetic of Specacuanha – They should be given in divided doses – If we wish them to act speedily and powerfully, we should give no liquid after them – Water weakens their action never give water until it has operated once – Emetics acts more speedily in the morning – To stop them, give a few drops of Laudanum – Salt, &c.? They are <u>improper</u> in congestions of the brain – in the first stage of Malignant fever – In the last stage of Pregnancy, &c. —

<u>Diaphoretics</u> – those applied to the skin; as Pediluvia, vapor, air, hot-bricks, confining the head under the bed-clothes, &c. – Exercise, and cold water by reaction – Cold water in succession to warm – vomiting, &c. Nitre taken into the stomach – the stomach is a sur=face of the body as well as the skin – Vinegar, Se=neka, Wine, &c. act upon the bloodvessels in inducing sweat – of this, more hereafter – A chancre was cured by sweating – the shirt of the Patient became so rotten that it could not be washed without tearing – One class of diaphoretics may be proper in

in one season and not in another. Lying in bed with flannel next the skin favors the operation of sweating. Attend to the heat of the body. Sweat cannot be excited above 108° Fahr. Here cold water answers the purpose. In highly inflammatory diseases, diaphoretics are injurious. Linen should be frequently changed, or it will again become the remote & exciting cause of disease. Diaphoretics are injurious where they debilitate without affording relief.

Jan. 10th. Lecture 49th. Diuretics. Cold air, Dr. Sydenham frequently took his patients out of bed, and exposed them to the air. Cold water applied to the whole, or a part of the body. When the body is heated those remedies are indicated. Fear, climbing stairs, abstinence, going into a cellar, noise of liquors flowing from barrels into cups, &c. We should use those remedies where they have an effect on the body, as they have peculiarly on some. The good women excite making water in children by applying an onion, cut in halves, to the pubes. Other diuretics are salt and cream of Tartar, foxglove, parsley, &c. &c. In dropsy, all classes may be used alternately.

alternately with success. Iron is proper in atonic dropsy; and other cases where there is no inflammation. Sialagogues some are confined to the parts near the parotid glands; as tobacco, ginseng, &c. Some act on the whole system, as Mercury. Aphthæ in young children is an attempt at spontaneous salivation. There is sometimes a spontaneous salivation in small pox. It has been said that salivation is an unnatural remedy; but in adopting it we imitate nature. Maniacs salivate which shews to be an attempt of nature to cure. therefore it is strange we should not sooner have thought of salivating in that disease. Nature often attempts a salivation in the last stage of consumption. Bloodletting acts as an auxiliary in salivating by lessening morbid Excitement, and allowing the Mercury to act. for when the system is laboring under great morbid action, it must be reduced before the Mercury can act. Mercury sometimes acts sooner by being combined with opium. Cold water aids it to act. Dr. R. has found it to act well when combined with nitre. as in the form of his Antimonial Powder. Emetics sometimes aid the

the operation of Salagogues - Ptyalism may also be induced by Mercurial friction - and when calomel fails, Turpeth Mineral & corrosive sublimate should be substituted -. Calomel should be given in the food of Children; as on bread & butter, &c. - Spitting is not always a necessary symptom, for the cure of the venereal disease -. When Mercury acts to excess in salivating, it may be restrained by Bleeding - Opium - rubbing the throat all round externally with sweet oil - blisters - &c. The mouth may be washed with a solution of Borax in sage-tea and honey - green-tea, &c. - Mercury is a disagreeable remedy; but Divines tell us we cannot go to Heaven on feather beds -. Mercury has been objected to on account of its making the mouth sore - but it should be remembered that the first sin was committed by the mouth in eating the forbidden fruit - It should also be recollected that swearing, and profaning the Name of our Maker; as well as calumnies upon one another, issue from the mouth -. Let no one, then, complain of the operation of Mercury on the Mouth!

Expectorants— 1st. demulcents; as liquorice, flaxseed and bran teas, barley-water, &c. 2nd. Emetics, and nauseating drugs; as Ipecacuanha, Squills, & 3rd. smoke of bees-wax & rosin, &c.— The following is said to be an excellent expectorant— Take of Tar & Bran, each half a pint,— put them in a quart vessel, fill it up with boiling water, and receive the steam through an inverted funnel.— Blisters— are of 2 kinds— such as act slowly; as Cantharides, the inner bark of some trees, &c. And such as act quickly; as boiling water—. A piece of flannel dipt in boiling water will raise a blister, in time of urgency, in 5 minutes—. An example of an Urgent case, is when a person is attacked with violent pain in the stomach, difficulty of breathing, &c.— Blisters to the head should be kept applied 24 hours; because there they only ooze out, and do not raise like other parts of the body—. They are forbidden in cases of great morbid action— and also in very weak morbid action. There is a Blistering point— which is generally in a Typhoid state of pulse— They are useful in some cases

cases of stranguary - but in irritable & habitual? Stranguary they should applied with caution. Errhines - are a remedy which nature points out. Sneezing in the last stage of malignant fever is a favorable symptom - Errhines are useful in diseases of the eyes & ears, - in Catarrhs, &c. Weak eyes are frequently cured by snuffing - Dr. R. once cured a patient in scar:-latina by a pinch of snuff - The patient ap:-peared to be in the last agonies of the disease. Observing a snuff box on the table, Dr. R. applied a considerable quantity to his nos:-trils - a running soon came on, followed by sneezing, and a copious discharge of mucus that had been lodged in the sinuses - this was 6 - At 12 he was able to walk about. - Errhines should never be given when the blood vessels are full and active -. They would be good in some cases of sore throat -. Issues - lessen the fluids of the body by discharging pus. Are useful in local congestions - as substitutes for long continued discharges - &c. Setons and perpetual blisters are the most common issues.

We come next to speak of those remedies whose action is directly stimulant. Stimulants and Tonics both act by converting excitability into excitement. Sedatives. This is a wrong name for those medicines. They are powerful stimuli, which destroy excitability or Irritability. Inflammatory Rheumatism, and some other diseases of high action, have been cured by highly stimulating remedies. but they are dangerous. It is like breaking hinges, instead of turning a key, as by depletion. If stimulants impart fulness and slowness to the pulse they are perfectly safe. but if they cause fulness in the head, pain, quickness in the pulse, &c. they are not proper, and must be laid aside. 5 drops of Laudanum at the beginning of a fever will have greater effect than 50 at the end; when the excitability is worn out. In Tetanus without fever bleeding is forbidden. Wine, opium, &c. are then proper. You may give a patient in pleurisy a night's sleep on the 3rd. night; when he has a cough, &c. by from 5 to 10 drops of Laudanum.

If you give 20 or 30 drops you will increase ex=
=citement, and perhaps have to bleed again — We
should avoid adventitious stimuli; as con=
=versation, Light, &c. — Some Medicines combined will
cure, when they would not separately — Use
stimuli in rotation when they lose their ef=
=fect — and when you have exhausted the whole
catalogue, begin the round again! — Liquid
Laudanum will do good when solid Opium
will not — and vice versa — In chronic
diseases, it is proper sometimes to lay a=
=side stimuli altogether for a while, and
then try them again.

Jany 11th. Lecture. 50th. — Saccharum Saturni
has been used with success in the cure of He=
=morrhage, where bleeding failed — In Tetanus
pervading the Muscular system and not the
Arterial, you may bleed in vain — The strongest
stimulants are necessary to destroy excitability and
restore excitement — In the first stage of acute dis=
=eases, begin by small doses of stimulants? — The jail
and yellow fevers have been said to be the same;
and the same remedies have been used — but they

they are different – Weak people being most liable to the jail fever; while those of gross, full habits are most subject to Yellow fever – hence Stimulants are most proper for the former, & depletion for the latter –. Stimulants should not be combined together – they should be used in succession and rotation – they should be intermitted now and then –. Change the part of the body for applying them – after they fail in the stomach, try the rectum, skin, &c. – Tobacco, from being chewed on one side of the mouth only, will produce sickness when changed to the other – hence Clysters are of service when the stomach is affected – Opium also, and bark may be given in injections, or applied to the skin –. Electrical shocks passed through the hearts of fowls, have restored life after they had been killed by shocks of the same fluid through the head – It must have been in this way that Opium has restored to life patients who had before taken it to destroy themselves; – for I believe, says Dr. R. that it would have increased the complaint if applied to the same organ –. Always remember

the 4 Temperaments. In the sanguine temperament use stimulants early? and with caution. Observe the same thing with respect to the nervous. In the bilious, take care not to increase the acrimony of the bile &c. Parsley has cured the dropsy. Dandelion the consumption, &c. A little Castor Oil has opened the bowels after strong purgatives have been given in vain. As sound cannot be communicated without vibration, so it appears with the stomach; the strong purges prevented, or overcame the vibration. Stimulants should be given in the morning. The same medicine should be given at different times differently prepared. this is important. A preparation of hog's lard and tar cured a chronic leprosy? which pervaded the whole surface of the body, after every remedy which could be thought of had been tried in vain. Hence we see the successful application of Simples. and may account for the occasional success of Quacks. Perhaps the hog's lard & tar, without the previous remedies, would have had no effect. Inquire into the previous remedies which have been

been used; when you hear of a remarkable cure. A headache is sometimes cured by a diarrhoea. Pain may be relieved in one part by exciting it in another. Patients under operations should never be forbidden from crying out. Soldiers bite bullets to lessen the pain of a whipping. The nux vomica was prevented from acting in a dog by whipping. I would sometimes recommend this, says Dr. R. Here we must remember that <u>but one impression can be felt at one time</u>. Two, to be felt, must be <u>equal</u>. Impressions, however pleasurable, were originally painful. Hence the necessity of changing medicines. It is time to change a medicine when it becomes agreeable to the patient! <u>Remedies</u> for preventing; or removing the predisposing cause of disease; or <u>debility</u>. Dr. R. has called them <u>tonics</u>. They should be given in small doses, for fear of wearing out the stomach. Aliments are preferable, and should be given 5 or 6 times a day. The stomach should never be full nor empty. It is like a school-boy; when not hav

kept busy, it will be in mischief—. Full meals should be avoided as so much poison, in these cases— Eat vegetables first— next oysters— then fish, and lastly salted animal food— Salt meat as a tonic is to be preferred to fresh— Fresh meat will produce fat, while salt meat will produce flesh— The quantity should be small in cases of debility for much produces plethora—. One kind of aliment should be kept to at times only— Many cures have been performed by a homogeneous diet— as boiled turnips, carrots, &c. Bread and Milk has cured the gout— Consumption has been cured by the juice of the sugar maple—. Oysters have cured visceral obstructions— Epilepsy, fat, &c. has been cured by a diet of pudding made of skimmed milk & eggs— these are important facts— Drinks as a part of Aliment— Malt liquors, Sherry, Madeira, Lisbon, & Teneriffe wines—. I shall not mention Spirits, says Dr. R.— Better die of the original disease than contract the habit of using any of them!— Warm & cold Baths— the latter prepares the way for tonics, by converting excitement into excitability. The warm bath prepares the

the system for the cold – they should be used frequently – Exercise or friction is necessary afterwards –. It has an influence, not only on health but on beauty –. Rocking, swinging, sailing, riding on horseback, &c. the baloon may be a useful exercise at some future day –. Walking for slight indisposition may be serviceable; but never before breakfast? &c.

Jany. 12th. Lecture 51st. – Habitual debility is often removed by change of occupation – change of dress – of diet – of situation; by travelling – change of climate –. These two last, particularly, remove nervous debility –. Change of Country has fixed loose teeth firmly in their sockets – and replenished the head with hair – made sheep breed that were sterile. Always advise weakly people to go early to bed –. Flannel or cotton should be worn next the skin in all cases of debility – Weakly women should wear drawers and thick shoes – In cases of debility, tight ligatures should be avoided –. Steel and Bark are the most powerful remedies in simple debility –. In some cases

of nervous debility, in sober men, getting drunk a chance time, or so, has been serviceable – It is of great importance in ordering tonic remedies, to make provision for adventitious morbid action – as taking cold, &c. when the patient should omit them; and even, perhaps, take some debilitating medicine –. Dr. R. suspects we use too powerful stimuli, at first, in Psal. i.e. in recent cases =sy –. Slight friction has been more useful at first. Tonics may be applied 4 ways 1. by the mouth, 2. clyster, 3. nose, and 4. sentient extremeties –. The mouth is the best way for bark, steel, &c. –. The nose, for camphor, &c. –. Anus, for Opium, &c. –. Magnesia will cure morbid acidity in the stomach – Vegetable Alkali, &c. is said to destroy calculus – Mercury is said to unite with the venereal virus – this is highly probable –. Medicines which remove obstructions – Obstructions are disorders – they however react, and cause disease – Steel has removed scrophula – It has been cured by fear – In this way the Royal touch acts. Beddoes' factitious airs are ineffectual – His patients always relapsed afterwards and died –.

Those

Those airs only prepare the way for tonics in consumption, &c. – so only do Digitalis, & a sali:vation –. Opium cures diseases of moderate excite:ment, by exciting a different action –. Large doses of Opium dispose, by its stimulus, to effusion – And we should prepare the way for its use, in cases of great excitement, by Bloodletting –. Warm Water is an Anodyne – pediluvium has relieved pain – friction has cured belly-ache in children. Fear eases pain – as do poultices, &c. –. Metallic Tractors induce ease like counting 100 backwards, – they induce a new action? or divert the attention from the pain? –. The whole know:ledge in procuring longevity, is in applying sti:muli in due proportion to the excitability and excitement –. Apply diet, occupation, &c. &c. to the different habits as best suits them – All remedies are relative in their effects; owing to the vary:ing states of the system – for instance, that soporific Anodyne, Opium, will cause wakefulness and pain in certain states of the system –. No Medicines are proper in every disease – they must be varied according to circumstances – To do this, is the Therapeutic Art.

Jany. 13th. Lecture 52nd.- We come now to the application of Physiology, Pathology, & Therapeutics, to the Practice of Medicine. This is the most important branch of our Science-. Dr. R. has been compelled to reject No=:sology- it is injurious to the Practice of Me=:dicine-. It is erroneous; for 2 diseases are ne=:ver alike- they change in their forms-. Diseases cannot be divided in their causes; remote, ex=:citing, or proximate-. A person in languor, a little chilly, &c. requires the same remedy, whe=:ther his disease be inclined to gout, Yellow fever, or pleurisy- namely, a gentle and equa=:ble stimulus; as pediluvium-. Darwin's theory is liable to the same objections as Cul=:len's- for no diseases affect Volition, Association, &c. exclusively-. Dr. R. divides the body into sys=:tems; as arterial, nervous, visceral, &c.- and ar=:ranges diseases according as they affect those systems-. This arrangement he acknowledges to be imperfect; but thinks it better than Darwin's or Cullen's-. Science is an Eel- forming theories is like holding it by the Tail- Disease is a Unit-. Think=

not that less attention is necessary, after thus simplifying diseases — It is even necessary to observe them more closely than Nosology requires — The same disease will require different, and even opposite medicines in the same day; which prescribers to the NAMES of diseases never give — The seats of diseases demand attention — for morbid excitement in the Brain is much more dangerous than the same degree in joints, or muscular parts — A Disease is that state of body in which the functions are performed, generally, with difficulty — We first begin with the disease of that system of the body called Arterial; which is improperly called FEVER — for fever signifies heat; and there are fevers without heat — Fever consists in morbid action of the bloodvessels — The proximate cause is ipse morbus — the disease itself. Morbid excitement alone constitutes disease; for some diseases have no apparent marks. —

States of fever — Malignant, Sanguinous, Lynocha, Bilious, Typhus, Typhoid, Lynochoid, Lynochula, Hectic, Febricula, Intermitting, Sweating, Fainting, Burning, Cold & Chilly, Intestinal, &c. &c.

premonitory signs of fever—. Lassitude; dulness; defect, or increase of appetite; which shows itself in artificial substances, as Tobacco, Coffee, &c. Excess, or deficiency in the quantity of Urine — Costiveness, or diarrhœa — Unusually dry or moist skin — or cold or hot — disagreeable, or unusually correct dreams. In Children — Crisp, or dry hair — putting the thumb in the palm of the hand — dry tongue —. Headache, wakefulness or drowsiness —. In Cats the hair stands on end — Dr. Treasure up these symptoms —. Remedies proper in this state — 1st. Fasting — diluting drinks — 2nd. Rest — which consists in relaxation from work and study — going to bed — 3rd. Gentle stimuli — as pediluvia — gentle sweats — balm, chamomile, sage, &c. teas — Warm bed —. A salt herring is given in Holland to excite thirst — for diluting drinks are useful — Dr. Currie, of Liverpool, cured many by pouring cold water on his patients — this is only safe where stimulants are proper: — 4th Gentle purges — 5th gentle vomits — 6th Injection — cold air & Water, &c. — We are told that Malignant fever was prevented in Virginia & the W. Indies by Bloodletting.

Jany. 14th. Lecture 53rd. — I yesterday, says Dr. R. pointed out the disadvantages of Nosology. In epidemics there can be no discrimination. Our attention must be directed to one disease. In Epidemics there are sometimes as many seats of disease as there are viscera. Nosologists admit as many diseases as there are local affections. In the year 1793, Dysentery, Rheumatism, colic, efflorescence on the skin, buboes, &c. &c. all occurred, and were supposed by some to constitute so many diseases; when in fact but one disease prevailed. There is an inconsistency in the Nosologists. They admit of misplaced gout. Why not of misplaced fever? And if of misplaced fever, why not of Epidemics? and of <u>one disease</u>? In our last Lecture we mentioned the Medicines proper in the forming state of fever. We come now to those that are proper after the fever is formed. Such as lessen excitement. Evacuants. Bloodletting, vomits, purges & glysters, sweats, salivation, and lastly Blisters. Bloodletting, to lessen excessive action, — induced by suppres-

-sion of Urine - of perspiration, &c. a plethora be-
-ing then induced -. When the system is oppres-
-sed, an equilibrium is restored by venaesection.
It is indicated by the habit of the patient -
by the proximate cause -. It is not an un-
-natural remedy, as has been said -. Who would
trust Nature, when half a pint of blood
drawn by art might prevent a natural
hemorrhage of 2 quarts? -. A fever is seldom
cured after the first paroxysm/?/ - Physicians
may save life, but not prevent the course
of disease/?/ - But a copious bleeding in its
forming state will cure it -. Bloodletting
checks nausea and vomiting in malignant
fevers - renders purges more effectual - pre-
-pares the way for salivation - checks profuse
sweats - renders the pulse more frequent when
too slow - and vice versa - removes a dryness
and blackness from the tongue -. The tongue
has become moist while the blood was flowing - It
prevents the effects of torpor on the absorbents.
It lessens pain in every part of the body - pre-
-vents chillness - checks sweats, diarrhoea &c.
after astringents have been given in vain -

It removes coma, &c. – Abscesses in the liver were formerly common – bloodletting has removed it – Dr. R. has never had but 2 cases of it – It prevents the gangrenous state of fever; but not the chronic state, as Dr. R. once thought –. There are times when the chronic state of fever is epidemic; & bloodletting will not prevent it –. Timidity & not Temerity ought to be ascribed to bloodletters –. Bloodletting prevents relapses –. It has been forbidden in warm weather; but this is a mistake –. Being born in a warm climate often renders it more necessary!. It is sometimes more necessary in weak than robust persons – We would throw more of the cargo out of a weak than a strong vessel in a storm at sea – Strength is not a disease – the business of a physician is to prescribe for morbid action – It would be as absurd for a physician to govern his prescriptions by the strength of his patient, as for a Taylor to make the clothes of a rich man larger than those of a pauvre diable! Infancy and childhood are no objections to bloodletting – Instance Dr. R's own children –. Old age is no objection – it is more necessary – Botallus recommended it 100 years ago – The system becomes plethoric between 50 and 60 –. The period of Menstruat

menstruation does not forbid it - we ought to bleed more freely at that time - Also in Pregnancy - Fainting after bleeding is no objection - Neither is sweating, but it is a loud call for it, when profuse -. Dissolved blood, and blood devoid of inflammatory crust, has been considered as an objection to bloodletting, but this is a great mistake - An undue proportion of serum is no objection; - Nor are Petechiæ on the skin - The long duration of fever is no objection, instance a young man, who was bled 4 times after the fever had continued 20 days -. By forsaking Nosology, we are led to attend to the disease - The name Nervous should be banished from the Nomenclature of diseases! - Cullen considered nervous diseases as the most important - Women who die immediately after delivery, die of Syncope, & not from the loss of blood.

Jany. 15th. Lecture 54th -. Bloodletting -

continued -. Few people censure copious venesection in pleurisy -. Unity of disease - No matter what the remote cause is, the morbid action requires the same remedy: - As, in a storm, and leak in a vessel, at sea, the danger is the same whether the Wind come from the east, west, north, or south; -

or whether the leak be on the larboard or star:
:board side. So venesection is as necessary in
bilious, Malignant, &c. fevers, as in Pleurisy.
Purges are useful in the early stages of diseases,
but often dangerous in the latter. Vomits are useful
in diseases of a mild character - but are unsafe in
many diseases - especially where there is great
determination to the head. Sweating is an un:
:certain, and sometimes a dangerous remedy. Sa:
:livation is too slow for Malignant fever - is un:
:certain, &c. Blisters are useful in cases of
topical inflammation - but in violent inflam:
:matory fever, they are like attempting to bale
water from a ship with the palm of the hand,
instead of 2 or 3 pumps. Abstinence acts by
directly abstracting stimulus - but often of
little avail. Bloodletting has many advan:
:tages over all these - it may be applied as
soon as you like - in any quantity suited to
the state of the Patient, &c. - It is useful in the
Synocha pulse; as in Pleurisy, &c. - in the slow,
but tense pulse; as in Hydrocephalic state of fe:
:ver - in the soft pulse, without frequency or ful:
:ness: as in some diseases of the brain, & Peri:

peripneumonia notha — in the depressed pulse — in, short, in almost every kind of morbid pulse! — In feeling the pulse, we should pay more attention to the fulness, tension, & quickness of the pulse, than to the frequency, or number of stokes — In cases of disease which were immediately preceded by good health, bleeding is generally proper — venaesection should be governed by the reigning Epidemic — the season of the year — It is most necessary in dry summers — the constitution of the patient, his habits of bloodletting, and the climate he came from, should govern the use of the lancet — Regard should be had to the part diseased — as in inflammation of the brain, testicles, bladder, rectum, strangulated hernia, and Ophthalmia — those parts being more important, or more out of the route of circulation, require more copious venaesection — Pay attention to the blood — Dissolved blood occurs in the highest state of malignant fever — if it appear in the early stage of disease, instead of forbidding, it calls loudly for venaesection, that the vessels may recover their tone, &c. When it forms a cup like a sandbag, the action is inflam-

-matory-. The blood is usually sizy when it is of a claret color while flowing-. Quantity of blood to be taken- this depends on the degree of morbid action-. In Health, the whole 25 pounds of blood are necessary to the support of Animal Life- but in morbid action, sometimes, the 1/4 of this quantity is sufficient for its support- As, in in:flammation of the eyes and ears, less Light & Sound is sufficient to the hearing of the patient- Sometimes when the blood is abstracted suddenly, and in too large Quantity, the system will not react, and the patient dies- This may be happily obviated by small and repeated bleedings- The sys:tem reacts, and will bear a greater loss of blood- The part where to bleed, is of little consequence -sometimes Arteriotomy might be better than venaesection-. The Time when, is always when the pulse calls for it- In Intermittents, vena:section should be performed during the paroxysm hence we should attend our patients well-. Dr. Rush utterly disclaims this theory of bloodletting as being originally his-. He only revived it in this city- and he hopes his pupils will forward its extension

Jany. 17th. Lecture 55th.— We come now to consider those states of fever, wherein bloodlet:ting is forbidden; or must be cautiously used. It is forbidden where the stimulus is so sudden & powerful in its action, as to prostrate the system below reaction— here the action and circulation is kept up merely by the blood in the vessels— and bleeding would accelerate death— The first thing to be done in such cases, is friction and gentle stimulants,— as Warmth, &c.— Afterwards we may begin cautiously with bloodletting— Thus if you are called in to a patient that has fainty fits, or symptoms of Apoplexy— excite the system before you bleed;— then begin by taking a few ounces—. Bloodletting is forbidden where the pulse is very low, and the brain and other viscera engorged— excitement suffocated, as a:bove stated— Vsection is forbidden in Malignant fever after the third day, if it be the first time of bleeding— i.e. if the patient have not been bled before— Gentle purges, blisters, and salivation are best—. If you have bled before, or purged freely, and engorgement is prevented, you may

may sometimes bleed afterwards—. In Cynanche Maligna, when the pulse makes no resistance, though full, i.e. Typhus, you must not bleed; except at first—Use cordials, blisters, &c. Venaesection must be used cautiously in Drunkards;—Though their arteries are in violent morbid action, it is a mere soap-bubble—soon vanishing—We should use purges, sweats, &c.—The pulse and blood must not govern us in respect to venaesection in old people—other circumstances must govern the use of lancet—. Never forget, Gentlemen, says Dr. R. the change which takes place in the pulses of old people—. In some cases of plague, attended with a morbid torpor, imperceptible pulse, &c. the actual cautery applied to the arms and legs, was the only effectual remedy—bloodletting was always fatal—Purges and salivation did service—. In some other similar torpid cases, the sensibility was restored by first washing in Warm Water—whipping the legs—then applying ligatures below the knees—making longitudinal incisions below the knees, and discharging the blood in warm water—. This torpor, in the Yellow fever in a Lady of Philadelphia, was removed by a candle falling on, & burning her breast badly.

Blood &c.

Bloodletting should be prohibited in cases of external determination, as Phlegmon, after the suppurative process has begun - it retards suppuration -. However, in suppurated breasts, &c. when the whole system is excited into inflammatory action, bleeding is necessary -. Vomits are useful in cases of moderate fever, Cynanche Trachealis - &c. &c. - To be effectual, they should be repeated 3 or 4 times a day - or they will be like the Indian sleeping on a single feather on a rock, and taking it as a criterion to judge of the softness of a feather bed -. Cholera Morbus is a bilious fever cured by nature; and we might, probably, often cure bilious fever by exciting an artificial cholera -. The Antimoniated tartrite of Potash is the best emetic; but remember the superiority of venaesection in the cure of fevers -. Purges are good in bilious fevers - Calomel, and jalap, or rhubarb, are the best purges in bilious fevers -. Salts, Castor oil, Senna, &c. in other fevers -. Scammony is a good drastic -. Nauseating medicines should be given 3 or 4 days together -. Warm Bath is a doubtful remedy - if it do no good

it always does harm - it fatigues the patient -. Cold Bath is more doubtful -. The ablution of cold water is much better -. A great load of bed-clothes in the beginning of a fever is often useful. Moving a warming pan over the patient half an hour produces a copious sweat - as do jugs of Warm Water applied to the feet, legs, thighs, &c. Putting head and all under the bed clothes will induce sweat; but the patient should put out his head as soon as difficult respiration comes on - Bloodletting is a more delicate remedy -. Ablution of cold water accelerates the action of mercury - Dr. R. was calumniated for this practice; but he was authorized, both by other practitioners, and by success -. Where Calomel fails, turpeth mineral, and corrosive sublimate will salivate -. Calomel may be given to children on bread and butter -. Remedies which abstract stimulus - 1st. cold Air - in cases of weak pulse and cool skin it is always dangerous -. In fevers, take the patient out of bed, or oblige him to sit up, or lay but a sheet over him, when his skin is hot and dry, and pulse firm -. 2nd. Cold Water - to be used in similar cases. Pounded Ice applied to the head in a bladder is a good remedy in some fevers - it is not as

so safe when applied to other parts - but is never dangerous to the head; as heat mostly concentrates there -. Abstinence is good in fevers - rest also - Apple water is a good drink in fevers; as are all diluting drinks -. Apples should not be roasted to make apple-water; but paired, and sliced thin, and boiling water poured on them -. Dried apples will do nearly as well as fresh ones - Nitre always renders the pulse slower - it is not good in bilious fever -. Soluble Tartar, and Sal. Glaub. are better -. Ipecacuanha may be substituted for Tart. Emetic, when the latter is inconvenient -. Seneka makeroot is a vegetable Antimonial, or nauseant -. Sugar of Lead lessens Arterial Action, - as, it ~~is~~ said, does Digitalis: Dr. R. does not recommend these two last -. Venasection is preferable to reduce Arterial Action -. Sweet oil, externally applied, in plague & synocha fever, has been used with success; though some say not - it is useful in local inflammation, as rheumatisms, &c. -. There are other methods of reducing great morbid action; - Capt. Cook was cured of rheumatism by friction - it has been cured by hard labor -. Indians cure great morbid Action, as rheumatism, &c. by hanging by the arm or leg affected, on a limb or fence -,

Indians also expose themselves in hot ovens, and then run and jump into cold rivers to cure fever—. Dr. R. thinks this has succeeded only in the forming stage of fever;—that by this experiment, excitement was converted into excitability?—This mode of practice is vi:dent to the constitution and to nature—it is a great deal worse than bloodletting—and may be one reason why Indians so soon look old.

Jany. 18th Lecture 56th. Typhoid state of fever.

It is the jail, and puerperal fever of authors—. Hux:ham has described it under the name of nervous—Dr. R. has seen it bear two or three bleedings—. The puerpe:ral fever is a true typhoid fever; or intermediate state, between synocha and Typhus—. Typhoid fever was once prevalent in Philadelphia; but is seldom seen now—. It differs from bilious fever in occurring at all times—it arises from human and the bilious fever from marsh miasmata. The bowels in Typhoid fever are but little affected—there is but small disposition to sweat—. Yellow fever sometimes assumes this form—. Typhoid fever often requires medicines of opposite natures. Sometimes it requires bleeding,—at others, stimuli. If the pulse be full at first, a gentle bleeding is

is best - as it prepares the way for cordials -. Emetics in the beginning of Typhoid fever, repeated every 2 or 3 days, act almost as specifics in untying the Typhoid knot -. Where these are objected to, nauseating medicines should be used -. Gangrenous state of Fever - is known by Hemorrhages from the mouth, nose, Uterus, bowels, &c. -. It sometimes follows inflammatory fever. sometimes occurs in Yellow fever -. It is called the Adynamic state of fever? - is sometimes caused by the improper use of Stimulants -. Low Typhus fever - is attended with low pulse - furred, and faultering tongue -. It sometimes follows inflammatory fever - and sometimes is original. Dr. Robinson had unparalalled success in the treatment of this fever, when the patients were brought into the Hospital in the typhus state, by giving Bark in large doses -. A number of external and internal stimuli are given in this disease - When one fails, we should take them in rotation -. At the beginning of this fever, if the excitability be not exhausted, we should begin with the mildest tonics; and gradually increase their strength -; But if the excitability be worn out, we should begin with the strongest, viz: Bark -. Wine is an agreeable

Opium was used largely in typhus fever by Dr McBride. ——— long before Dr Rush made this pretended discovery. —

cordial in this state of fever - it may be given largely in this fever, without causing intoxication - Porter is next to be preferred - We should always order Porter when Malt liquor is prescribed - for reasons mentioned formerly - Volatile Alkali is a valuable remedy in this disease - it acts chiefly by its stimulus - Opium is a stimulus - is a valuable remedy in this disease - Some stimuli act on the bloodvessels; as Bark, &c. - some on the glands and lymphatics; as mercury, - some on the nerves; as Æther, - some on the muscles, &c. - but Opium acts on every part of the body. An Opium pill was given secretly by Dr. R. to a patient in typhus fever, who had tremors, &c. with the happiest effects - This was at the commencement of his practice; and he has since used, and found it an invaluable remedy - Sleep may be procured, often, by 5 or 10 drops of Laudanum, when 40 or 50 would have kept the patient awake - When the patient is wakeful after a dose of Opium; it is oftener caused by the dose being too large than too small - When you prescribe bark in this disease, if called in early, give the

infusion

Infusion - Mercury is a stimulus; and is useful in this disease - Too much cannot be said in favor of pure air in Typhus fever - but not cold air - the latter is dangerous - the room should be ventilated - the bed without curtains - and situated in the middle of the room - remote from the walls.

JANY. 19th. Lecture 57th. - We resume the subject of Typhus fever - When the patient cannot be removed into pure air, the air should be purified, and all causes of offensiveness removed - Fires are useful; and where there are no fireplaces, make it in the middle of the room, and the smoke will ascend - Where the stools are offensive, discharging them in cold water will prevent the offensive vapor. Ground floors are useful in preventing contagion - they absorb it - This kind of floor was introduced into the Military Hospitals during the revolutionary War, by Dr. Tilton and was found to be very effectual - Smoke is a preventative of fevers - The deflagration of Nitre has been used for purifying fever Wards - Anger has effected a crisis in this state of fever - as likewise has Fear - but

But Hope is the cordial which we have most in our power, and which should be very neatly exhibited. We should always relate agreeable circumstances - such as, other people who have been despaired of, or very ill, and have recovered, &c. - but we should also inform them, with a steady countenance, of their danger - as it is best both for their temporal and future affairs. Dr. R. thinks it is better to have the Will made - for if it be not, the patient continually thinks of it; and with it associates the idea of Death. While we are pouring in Medicines per os et per anum, we should not neglect other applications - as cataplasms, blisters, Warm Water, Cold water, this last, though, is doubtful in this state; Caustics, as they cause more inflammation, and greater subsequent discharge, are very good in the Lethargic state. Aliment in Typhus fever - Animal food has been condemned in this state of fever, as tending to putrefaction - but Dr. R. has cured it by indulging his patient in ham, chicken, &c. The appetite should not be allowed to regulate the quantity in this state of fever - for

for patients often have no appetite when food is proper, and vice versa. Patients should not sit up in this disease - they should be confined to bed. Purges are often dangerous; for the patient sometimes dies up: on the abstraction of the stimulus of the faces in the low state of this disease. The Urine should not be allowed to stagnate in the blad: der - it should be drawn off, if the power of the Will over the bladder be destroyed. If the pulse be full, the patient may be allowed to sleep otherwise not - for Life is weaker in the sleeping than Waking state - they should be attended to, during sleep, if possible. Dr. R. calls those forms of disease, States of fever - for they often change 3 or 4 times a day - & we should change the Medicine accordingly; without the fear, or at least regardless, of being called Whimsical. We ought, indeed, never to prescribe for the Name, but for the condition, or State of the disease. If a Physician could be always with his patient, and prescribe for every change, &c. it would be hardly possible for him to die!. Few books are to be depended on for the regulatio

of practice in fevers.— The State of the pulse, Gentlemen, says Dr. R.— The State of the pulse,— I repeat it again, The State of the pulse must guide us in all our prescriptions—. Dr. R. once taught, that Typhus fever was owing to the want of sufficient early bleeding; but he now renounces it— he believes it original—. Many die after the fever is completely cured, because not properly treated afterwards—. Patients are as much the objects of medical care after the disease is subdued, as before— until a proper tone is restored—. The State of the pulse is the compass from which we should never take our eyes, if we wish to steer our patient safely into the haven of Health—

Jany. 20th. Lecture 38th.— Convalescence from fevers generally; but particularly from Typhoid and Typhus fevers.— It is the rule in giving stimuli, to give them on if they make the pulse become full and slow— but otherwise they must be suspended— And when the pulse has been brought to fulness and slowness, we should suspend the stimulants; and give aliment to maintain what we have gained

There are six forms of Autumnal fever-. A defect of appetite, &c. succeeds autumnal fever-anasarcous legs- confusion of Intellect- the Moral faculty is sometimes impaired by it- A Young Lady was once in this city affected with Autumnal fever, and in her convalescence, her Moral faculty was much impaired- so that she would tell great falsehoods- she was cured by exercise, cool air, &c. of her fibbing propensity-. This we should remember for the encouragement of Relatives-. Cordial drinks- porter, &c. are very grateful to Convalescents-. Chocolate is a good Aliment- But we should be cautious in applying stimulants in that very excitable state of the system which succeeds disease- even the stimulus of good company has proved fatal-. In convalescence we should remove all empty vials, pill-boxes, bits of rags, plasters, &c. from the patient's room- They keep up a debilitating association- Indeed he should be removed from his room where he lay sick- he should also change his clothes- shave his beard- and as soon as he is able ride out-. But take

care

care not to ride too long—. Patients are apt to ride away from home until they get tired, and then have to ride all the way back again before they can rest.— Huphan's Tincture is useful in convalescence; particularly from acute diseases— but never in chronic diseases,— or as a chronic remedy— It creates a love for Spirituous Liquors—. When Convalescents have swelled legs, they should be rubbed upwards—. Tumors have been discussed by stimulating applications, according to Pringle?— Children often take on rapid growth after diseases—. Some people grow suddenly fat after diseases,— or even while sick—. The Plague in London rendered some barren women fruitful— probably by accumulating excitability— attend to this explanation—. Hectic fever— is often confounded with Intermitting fever— Sweats sometimes succeed the chill of Hectic fever, but gives no relief—. Patients are chilly during the sweating—. Swellings often come on & go off suddenly—. Sometimes but seldom consumptive patients have no fever—. Patients seldom complain of headache in hectic fever, as they generally do in Intermittents—. Abscesses in the body— particularly the joints— me

Menorrhagia - Leucorrhœa - Obstructions of bile - &c. cause this disease - It is as much insu:
:lated as any other disease - It is confined en:
:tirely to the arterial system - No cure which may be intirely depended on, has been discovered. A milk diet is the best - Occasional bloodletting &c. - Dr. R. has compared it to Hercules' shirt, which could not be cut nor torn off - but must be shaken off by riding on Horseback. Bark, steel, swinging, &c. &c. &c. have but little effect - Intermittent fever - the Tertian appears to be the only original type of fever - Dumb ague, so called, is that state of Intermittent? fever which is not accompanied with chills - for is it a remittent?

Jan 7. 2d. Lecture 59th. - Intermitting fever was once incurable - Cromwell and King James died with it - In Spain, at the present day, they count its duration, not by days and weeks, - but by months and years - Most of the diseases of the Hospital have arisen from ill-treated intermittents - There are 2 indications in the cure of Intermittents, 1st. to moderate the force of the paroxysm; and 2nd. to prevent its return - The chilly fit

fit is shortest in the Quotidian type - longer in the Tertian - & longest in the Quartan —. Intermittents seldom occur in climates which are very hot or very cold —. Bleeding is proper in Intermittents during the Paroxysm, when attended with pain —. Purges are proper during the Paroxysm - and gentle emetics prevent determination to the viscera, by changing the action from centripetal to centrifugal - Laudanum may be given in the paroxysm when the pulse is typhus —. Bark has been given in this state, and properly - but Lau:-danum is generally sufficient —. Some Phy:-sicians say they never wait, but pour in the bark; and with great success —. This may be strictly true in a typhus state, but otherwise must be wrong —. This shews the Necessity of attending to the State of the System - It enables us to explain those facts without being seduced by them —. Mode of preventing a return of the Paroxysm —. Liquid Laudanum given just before the fit is ex:-pected, will very often prevent its recurrence. - Warm bath - but Dr. R. does not recommend this; he has seen it do harm —. Heating

drinks - riding on horseback - Strammonium - Eupatorium - gentian, and all the bitters - Terror, &c. - The Eupatorium is prepared as follows - to 2 drachms of the Leaves and Flowers, add half a pint of boiling water; and give a tablespoonful every hour -. It is a fine emetic, purgative, & diaphoretic - a vegetable Antimonial -. But Bark is the radical remedy for intermitting fever - The substance is best -. If it purge, add a few drops of Laudanum - if it constipate, a little rhubarb should be joined with it -. It should be taken either in Milk, - Wine, - or Porter -. Porter is a good vehicle - the taste of it so predominates that the bark does not taste disagreeably -. When taken in Milk, it should not be suffered to remain long mixed with it, before taking it, or it will impart every thing disagreeable to it - It should be swallowed immediately. Another way of preparing the bark is this - ℞. A pound of bark - two pounds of brown sugar - and a gallon of Water - let it ferment, and it will be an agreeable Medicine -. If the stomach will not receive nor retain the bark in any form, We must use bark-jackets, glysters, and baths -. Bark was discovered to be medicinal

by an Indian — and introduced into practice by a Jesuit — It was scouted by regular bred Physicians! by M. D's! And revived by a Quack! How degrading to Science! — no difference is necessary in the practice in Autumn and Spring — Always prescribe to the state of the pulse, or disease — Attacks of disease are like squalls at sea which lay the vessel on her broad side — the best way to weather the storm is to cut the halyards — it prevents damage to the Hull: So Bleeding and purging is cutting the halyards of the Constitution; and the vessel sinks! Intermittents appear sometimes in the form of cholera morbus — Efflorescence — in the form of periodical Blindness — &c. The most frequent form in which Intermittent Fever disguises itself, is dysentery — or febris introversa of Sydenham — It should be treated as the disease of which it is a symptom — Sometimes it requires bleeding — but the bark, combined with Laudanum will generally cure it, when purges and Laudanum will be ineffectual. — Intermittent fever and mild Gonorrhea have alternated — So have swelled legs and fever.

The

there is nothing so important as to be ac:
:quainted with the Monarchy & mixture of
diseases.. The effects of Intermittent fever, are
Jaundice,- enlargement of the Spleen- dropsy,
&c. &c. These are much less frequent now than
formerly, owing to the use of the bark & Lime.
Febricula- is best treated first by venesection
then blisters, and then opium.- Sometimes all
the forms of fever occur in the same person.
first, he has had Malignant fever, suffused eyes,
&c. One bleeding has reduced it to simple in:
:flammatory fever- Another bleeding to Inter:
:mittent fever- then after the crisis he had
Febricula-. What becomes of Nosology now?
The Malignant state of fever is when the
whole system is prostrated- the system is
too powerfully impressed to react immedi:
:ately-. The Gangrenous state of fever is a
highly inflammatory fever, which runs on to the
putrid state.. Synocha is an acute inflam:
:matory disease; as in pleurisy, &c.. Synochus
is rather less so- Muscular action is not
much reduced-. Synochoid, weaker still- Sy:
:phoid- Typhus- Intermittent- and
Febricula-, and somehow so.

Jany. 22nd. Lecture 60th.— We will often, or at least, sometimes meet with Typhoid and Typhus fever combined with pleurisy— febricula and Malignant fever combined in the walking state— and they will require Bark and Wine on the second day; or after the first bleeding— This will teach us to lay aside the burthen of Nosology; and attend to the state of the disease— to see our patients often— and forget the Name of their disease.— Critical days— Not more than 1/4 part of the Work of Hippocrates, on critical days, is probably true— In the equable climate of Greece diseases might have been similar in the times of crisis.— After the eleventh day, fevers put on the quartan type; and terminate on the 14th. 17th. and 20th. days—. Tertian is the only original type of fever.— Dr. Balfour rejects Hippocrates' critical days, and adopts Critical periods— which he ascribes to the influence of the Moon— The Moon influences the bile, tides, & hastens the putrefaction of meat— Dr. Balfour observes that the full and change of the Moon is always the worst— This was the case in the East-Indies— and is said to be the case in South America—. Dr. Jackson says 47 cases out

of 60 of continued fever terminated on critical days. There must be then, says Dr. R., some ground for the Doctrine — Death is sometimes protracted beyond them. — Prognosis — embracing critical days, and all other signs —. Sore throat was one year a fatal symptom, and another favorable — And so of hemorrhage from the mouth. — Black vomit — half closed eyes — and cold breath, are fatal symptoms in Adults — but not always in children — for they are more tenacious of Life —. Many men have died upon the sight of black vomit —. We may judge pretty correctly of the violence, duration and termination of a disease, from the force and duration of the remote cause —. If the disease were induced by an hour or two's fatigue, instead of two or three days, we may expect a slight fever —. The more diffused a disease is over the body the better; provided reaction be not prevented —. It is unfavorable for the paroxysm to occur on even days — they also are apt to terminate on even days; & vice versa —. When the patient has more pain, in a violent disease, after bleeding, it is always favorable; (as a pain in the head after venaesection for vertigo,) though the patient thinks he is worse — and ignorant practitioners are apt to

to join with him—. When the wrist is cold and the hand warm, it is a fatal symptom—. Partial warmth, and coldnesses are unfavorable—. There are 3 natural appearances of the body which sometimes occur in malignant fever, and which uniformly presage a fatal termination; viz.—A natural Temperature of body—a natural pulse—and a natural appearance of the tongue. Patients have been known to deceive their Physicians respecting the appearance of the tongue, by moistening it, &c.—. Half closed eyes in adults, except in dysentery, is generally a fatal sign—Insensibility to cold or heat is unfavorable—As are tinnitus aurium, and insensibility to blisters—. It is favorable for the patient to look quickly round on any one entering the room—. The Hippocratic countenance is unfavorable—it is a sharp nose—sunk eyes—hollow temples—hard, dry, smooth forehead—cold, retracted ears—blue, or livid, & palish countenance, &c.—. Patients sometimes favour their Ancestors after death, who have not while living—. Paraphonia is unfavorable, Aphonia more so—. Hanging the lower jaw, and sliding down in bed, are bad symptoms—As are obstinate costiveness, or involuntary discharge of feces—. After a stillicidium of air from the

bowels; which has contaminated the atmosphere of the whole room, if Crepitus come on it is a good sign – it shows a recovery of voluntary power over the Sphincter Ani –. Suppression of Urine is bad – a putrid, or cadaverous smell is generally a fatal symptom –. When the skin becomes suddenly soft after being dry it is favorable –. A redness of a former blister – or a fresh running of it, is favorable – A return of gonorrhea is a good sign –. Hemorrhages are favorable in the beginning of fever – but fatal in the close of it. It is more favorable from the Anus & kidneys than from the liver & lungs –. A priapism is generally a good sign – tho' sometimes it pre:cedes death –. Haller once knew it to conti:nue 2 hours after death –. Silent delirium is more unfavorable than talkative –. A good temper in the beginning of fever is a good sign; and an irritable temper in the close of fever is also favorable – and è contra.

Jany. 24th. Lecture 61st. – Patients, when very low, have been recovered by exciting very strongly the desire of Life – As in placing them on the shore of the Ganges at low Water – When the Tide returns, they crawl off by the power this excitement affords. – It

though they could not move before! – All fe=
=vers are more or less disposed to the tertian
form; and we should give tonics upon the
intermediate days – Prognosis is always
uncertain – Patients will recover after all the
bad symptoms – and die under the good –
There is no fever without danger – nor no
danger so great but they may recover – When
pressed for a prognosis – say, I have seen
some who were worse recover – and some
who appeared better, die – this is the best
hole to creep out at – We should never
give a patient over – Bilious state of fever.
This appears in nearly all the forms of
Yellow fever (A) – The pulse is synochus in
this fever; i.e. full, round, but not tense –
Bleed if the pulse call for it – give vomits,
purges, &c. – Never force bark, &c. on the sto=
=mach if it reject it – Apply it otherwise – In
inflammatory bilious fever, bleed – give mer=
=curial purges, &c. – In 1798 a boy died of Y.
fever 10 days after black vomit had stopped –
Black vomit is generally preceded by a
brown and then a black tongue – but Dr.
R. has seen it with a natural tongue –
In one case of Yellow fever a man at=

attempted to bite his attendants - If he had been bitten by a mad dog, it would have been ascribed to canine madness - This shews the Unity of Disease -. One man complained only of pain in the calves of his legs - A girl of pain in her toes only -. Some cases of superesensation occurred - A redness of the eyes, which, if not removed by antiphlogistic remedies, proved generally fatal -. Swimming has often induced Yellow fever - Gunning seldom failed - fractures have induced it -. A long interval, as much as 3 weeks / but often 4 or 5 days / has occurred between the remote and exciting causes -. In 1798 several walking states of fever occurred -. The system was often depressed below reaction; and such cases were called, by some, Typhus fever -. Y. fever has appeared to be combined with Cynanche Trachealis; yet it was but one disease, / viz. Yellow fever / determined to the trachea -. Occurred several times in the same persons -. The Yellow fever terminated, - by Hemorrhage - convulsions - pains in the calves of the legs - by a total absence of pain - vomiting and hiccup -. The mind was often

torpid without delirium - The brain sometimes suf:
:fered inflammation - Water was found in the
ventricles -. Cause and Effect are by no means
in proportion in the human body - A slight
wound will cause dreadful symptoms, and
vice versa -. In some cases of Y. fever, the sto:
:mach was often most inflamed when the pati:
:ent had had no vomiting - When the pulse
does not inform of this internal state, it is hap:
:py for us that it is indicated by pain, &c. -
Dr. Physick has proved that black vomit
is caused by a morbid secretion in the stomach.
- Black matter is often discharged from carbuncles.
- The Liver and Kidneys sometimes secrete a black
matter when diseased -. The origin of this fever
was domestic - from gutters, ponds, &c. &c. &c.
Method of cure - Dr. Mease lost 200 ounces of blood.
Where the system was depressed below reaction
bleeding was thought improper; and Nature
often performed the operation herself, from the
gums, after 3 or 4 days -. In this state, Dr.
R. gave some emetics with advantage.

Jany 25th. Lecture 62nd. - To several pa:
:tients in the Yellow fever of 1793, Dr. R. gave
two emetics - In some cases bile was dis:
:charged; but not always -. He reduced the pulse
to the Emetic point - Prepared the stomach,
by emetics, for other medicines -. In cases

of great prostration of strength, 30 grs. [of What? not Tart. Emetic sure?] have produced little effect — A physician in the southern States gave emetics so as to excite Cholera Morbus — purges had the same salutary effect this year, 1798, as formerly — In 1 case out of 4 the mercury succeeded — vomits assisted it — Bleeding rendered the operation of mercury more certain — The effects of the mercury continued in some cases a long time — Copious sweats succeeded in several cases — induced by the application of flannel [a blanket wrung out of hot vinegar & water?] to the skin, and continued for several hours — When the fever appeared in the Intermittent form, after depletion, Dr. R. used the bark with success — Here you see the influence of seasons — In 1793 no bark could be taken; even when it appeared in this form — A tea cup full of the decoction of bark, excited in Mr. Meredith, a severe hacropyom 2 weeks after he was cured — Not so in 1798 — Dr. R. again had recourse to it — He was not prejudiced against it — Blisters had less effect this year, 1798, than formerly — For nausea Dr. R. found the Salt of Tartar and Laudanum beneficial — Diet and drinks the same as formerly — One physician made use of tight ligatures round the extremities for the throbbing

throbbing in the head and bowels, with success — this is proper when bleeding cannot be performed with safety, or prejudice forbids it —. The pulsation, or throbbing in the bowels was not so common as in the head —. Signs vary according to the season — sore throat was an unfavorable symptom in '98 — In '93 it was favorable — Absence of pain and red eyes were unfavorable — Dr. R. knew of but one recovery after a dry tongue — none after a black one —. A desire to ride out, or to go home from false ideas of their situation, &c. was a fatal symptom —. Some died putting on their clothes in the Hospital —. All histories respecting Epidemics are imperfect, unless connected with climate — from not attending to the difference of climate, &c. disputes have originated — There were 3 modes of practice in Y. fever in Philadelphia — 1st. Castor Oil — 2nd. warm bath, &c. Mercury alone — this was adopted by a Quack from the West-Indies — One who had not practised there, but had, perhaps, seen 2 or 3 sick people — but he was from the West Indies, and was accordingly employed by the Board of Health! — The 3rd. mode, was that which Dr. R. used —. The first was the least successfull —. Those who used Mercury, depended upon it alone — hence the success was small; as it did

did nothing for three-fourths of the cases - The French mode was most popular -. The mortality was nearly as great in '98 as in '93 and the desertion from the city, greater -. Errors - It was called a nervous fever of great debility - but it was the reverse -. Lining is not correct in his forms of this disease? - What he calls remissions, are violent exacerbations, prostrating the system. Another error was in respect to the pathognomonic signs - as yellow skin, black vomit, &c. - The yellow skin is merely accidental. - Another error, the absence of bile - but it was not absent - being only locked up -. Bleeding, &c. unlocks it -. There are no pathognomonic signs to be invariably attended to -. 100, or upwards, who had had it before, were again seized with it -. In the West Indies they seldom have it twice - This is owing to the climate. Europeans who go there are most liable to it. Our changes in the weather dispose to it - like the change of climate in newcomers to the W. Indies -. It is rarely Contagious; and only under certain circumstances -. The French practice is still most popular - they treat in the same way in all climates. - The last Error which Dr. R. shall mention respecting Yellow fever, is the belief in its importation from the West Indies - and into the West Indies from Siam -

But Dr. Chisholm has lately imported it from Africa! Yet we are not informed how it got into Africa. There are 3 or 4 sects of Importers, while those who believe in domestic origin are all united in opinion — hence the Unity of Truth. Some of the Importers contend that it is the Ship fever of Warm Climates. There is no such fever. The ship fever is generated in cold weather. Others say that it is contagious, and set into action by bad Air, &c. Posterity will do justice to Truth. To believe in the importation of Yellow fever, we must sacrafice all our attention — our Association — our Understandings, and our Reason. In 1799 diseases were chiefly Inflammatory — a few cases of Malignant fever occurred. Bilious Pleurisies in March. March & April were cold — diseases, bilious & inflammatory — May was cold. In the week of June several cases of Yellow fever occurred. Trees (?) emitted a peculiar smell, which caused some to say that we should have Y. fever again. In the beginning of July Dr. Griffitts declared the Yellow fever to exist. A vessel shortly after arrived; and notwithstanding the fever had occurred before, it was traced to this healthy vessel! It disappeared in August. Weather dry — fruit not good — The blistering fly appeared in great abundance on the Potatoes &c. Whence

Whence this derangement among Animals and vegetables? Was it imported from Siam? !!! The true cause appears to be a preternatural stimulus in the air - perhaps generated in the bowels of the Earth -. In the Middle of August a sudden flight of the Inhabitants took place, in consequence of a publication of Dr. Physick(?), stating that the yellow fever existed in the atmosphere of the city -. The unbelievers of this doctrine, while they execrated it, and its author, thought it most safe to fly, notwithstanding their specific contagion, &c. 2 patients recovered this year after the black vomit -. One case appeared in the form of dysentery -. The blood appeared as usual - a red mouth and polished tongue fatal - no black, nor yellow tongues before the 7th. day, as in '97 - 200 ounces of blood were taken from Mr. Roane in 10 or 12 days, by 22 bleedings - The warm bath was good in cases of great prostration - a boy was relieved by it who had no pulse - The advantage of a salivation was like former years -. Dr. R. relied on no particular medicine - he is an unbeliever in specifics - Bark, Wine, and Æther, in long protracted cases, were all useful -. Æther was successful after every other remedy had failed -. Sensibility of mind was favorable - sighing fatal - red face fatal - Dr. R. saw but one recovery after it -. In

In some cases all the functions and appear:
:ances were natural - Here the danger was only to be known by a knowledge of what they had passed through -. It was said we had a variety of diseases - the admission of this is a source of great error -. No two Epi:
:demics of general force can exist a the same time -.

Jany. 26th. Lecture 63rd. - A few cases of bilious fever occurred in 1800 -. It was con:
:fined to one square - in dock street, principally, where there was an accumulation of filth. It yielded to bark without bleeding -. From the perfection of the fruit, &c. Dr. R. entered in his note-book as his opinion that there would be no yellow fever this year -. Dr. R. has no doubt but we shall yet be able to predict the periods of Yellow fever - This know:
:ledge has been overlooked and treated with con:
:tempt -. To remove disagreeable symptoms in this fever - vomits, cayenne pepper, lime juice & magnesia, Injections of Laudanum, & Assafetida. Nitre, lime juice, &c. applied to the head was useful - In 1801 a few cases of fever occurred in 8th. street, that excited no alarm; but were of a very malignant nature - black vomit oc:
:curred, &c. - In 1802 it appeared in all its forms; and many of them ran into each o:
:ther -. The yellow fever and Inflammatory

fever ran into each other—. When asked what it was in the first stage, Dr. R. replyed Bi:=lious—this was a safe answer, and ex:=empted him from blame; as it is bilious under all its forms.— After death, the cry was, "Doctor, did'nt you call this a bilious fever?" I learned by this, says Dr. R. to expect difficulty and danger in every case.— Bloodletting—purges, vomits, and a salivation were the most successful remedies—but copious sweating, Dr. R. believes might have been added with great advantage; as several were cured spontaneously by it alone.—. Jail, Ship, or Hospital fever— This fever sometimes requires 2 or 3 bledings—. It sometimes appears in the form of a chronic dysentery—. It is as mortal as the Plague— Inguinal swellings occur, &c.—. It spreads only by means of excreted matter, in cold, or cool weather generally—. Those Soldiers who slept in the open air in the West Indies escaped it— Dr. Hunter never saw it in the West Indies while he was with the Army—. It may be communicated by persons who have it not—. Clothes may be infected with it—&c.—. It is to be prevented by avoiding its causes, and cured by accommodating remedies to its state, &c.— Plague— The Eastern Plague is not generated by human miasmata, as Dr. R. once thought; but by the same causes that produce

produce Yellow fever – differing only in the cir:
:cumstances of climate, & putrefaction of animal
and vegetable substances, &c. – Webster & Caldwell
have changed Dr. R's. opinion – Their opinions
lead to the extirpation of it from the Earth! –
Putrid animal & vegetable substances abound
in the East; particularly at Constantinople.
The sweating sickness of the English was a form
of it – it pursued them to every part of the World.
It is not specifically contagious – It never
was, nor never will be imported! – It is
said to be taken from knife-cases, &c. – This is
as absurd as to say that Yellow fever was com:
:municated by sugar loaves, and the masts of the
West India Packet –. It has nearly disappeared
in many European countries; owing to clean:
:liness – pure water – veg. diet, &c. – It is still kept
up in Egypt by putrid exhalations; the over:
:flowing of the Nile, filthy huts, badly construct:
:ed cities, &c. Their religion prevents them from
flying – those who fly are called Infidels –. &c.
It puts on all the 1, 2, 3 primary grades of fever –
The young and robust are most liable to it – It
is taken more than once – the stomach is prin:
:cipally affected –. It blends itself with all other
diseases of less force than itself – Moist wea:
:ther is favorable to its prevalence –. Very dry
weather checks it; as does rain, frost, &c. It

It is checked in Egypt by the overflowing of the Nile.— Copious venesection in changeable weather?— It is seldom safe in great prostration— when Irritability is destroyed, bleeding is injurious; as in the Typhus grade, &c.— Bleeding, purging, vomiting, &c. are generally proper— swimming across the Thames cured the plague. It is greatly to be lamented that the operation of Mercury is too slow to arrest its progress— Could it be excited /i.e. salivation/ in 24 hours, it would be the best remedy— Mr. Baldwin has been successful by using the application of mercury & opium sweet oil to the body, in clothes— vide Webster, Caldwell, & Med. Reposit.— The smallpox is communicated by secreted matter— Jail fever by secreted matter.— The English appear to think us no better than Hottentots; and deal out their advice to us respecting our fevers. They confound our pestilence with jail fever. It /which?/ spreads independently of contagion— Chisholm stands alone in supposing it to be contagious— It does not spread in the country— Let Importers explain this fact! It does not spread from secreted contagion in cities; and always requires an exciting cause— Measles & small pox require no exciting cause— Being confined in a close room with the sick will produce a cause equal to the remote— Miasma may act as an exciting cause; not as contagion— Y. fever only appears in those seasons of the Year when putrefaction is highest.—

Jany 27th. Lecture 64th.— We continue the subject of the non-contagion of Yellow fever— this Dr. R. infers from its not spreading in the West Indies by Contagion— nor in the country— from its not spreading from the Hospital— nor in cities from specific matter,— and requiring generally the cooperation of exciting causes—. It appears to spread by contagion; but it is a mistake— it is derived from small, close rooms— here miasmata equal to the remote cause may be generated, and the disease taken—. When it runs into the jail fever and continues 30 or 40 days, it is still from miasmata, and not contagion that the disease is generated—. Miasma may be the exciting cause— still it is not contagion— We might as well say Wine was a contagion; &c. Smell may excite— this, Dr. R. believes aided by fear, has often been an exciting cause— Y. fever only appears in seasons favorable to its existence— it never appears general in the spring— nor in healthy places not even in the months of May and June, when no pains are taken to keep it out.— It cannot therefore be a contagious matter—. How do heavy rains and frost destroy it? They must act exclusively on the Air before they can affect our houses— None of the Importers have explained this fact—. The advocates for Importation gain nothing by admitting an Inflammatory state of

the air; because in this they have recourse to an unknown principle in the air, as well as the advocates for domestic origin — It is worthy of remark, that those who die of yellow fever on board of vessels, die soon after they go on board from the West-Indies, and after they arrive here. In the first instance, they are impregnated with the Effluvia of the West-Indies — they are then healthy till they arrive here; and then become impregnated with the exhalations from our shores — A belief in Domestic Origin would lessen the expenses of Quarantines, and would lead to internal cleanliness — it would prevent rash and precipitate desertion, and teach people to avoid exciting causes — Friends would not be deserted to perish alone; nor would the sick be dragged to the hospital, where certain death seems to await them — Many have perished from these causes — How cruel is it to convey by force, the helpless and defenceless sick to a solitary and crowded hospital! It has been suggested in an address to the Legislature to convey whole families to the hospital — Another writer has wisely proposed, and urged the necessity of removing the houses also to the hospital to undergo a ventilation like ships!! as they certainly stand in the same need of

it-. The other doctrine is an Unit-. Prophylaxis: Low diet, consisting chiefly of vegetables; with a due proportion of exercise- It acts by debilitating- thus the Willow will bend to the blast, while the hardy oak is laid low-!-. But it must be submitted to gradually- The bowels should be kept gently o=:pen by chewing rhubarb, & other mild means-. Con=:tinue the usual occupation- nor attempt a new employment-. A Carpenter might work all day at his own trade with safety, and yet take the fever a few hours after rowing a boat. Perspiration should be kept up by means of flannel- it is a discharge of the first necessi=:ty in Malignant fevers-. Drawing a little blood, as in those who come from cold climates-. Fresh earth is good-. Warm bath has preserved many-. Many odors are good- they produce a counteraction by acting on the Nose- by saturating the at=:mosphere; or probably by chemical mixture-. Gar=:lic prevented it in every (?) instance in 1793. It is a great preventative of diseases-. It becomes de=:licious by habit-. Oil prevented it in a few cases in '93- The deleterious acids are blunted by oily sub=:stances- poisoned arrows have no effect in passing through the fat of a hog-. Morning and evening air should be avoided-. If on a journey, it is better to rise at Midnight and lay by at sun-

sunrise—. Mid-day is better for exercise than even:
:ing—. In Philadelphia, none suffered from exercise
at this time of day—. Blisters, setons?, &c. act as
preventatives—. It is remarkable that old sores run
more at this period—. All excesses should be avoid:
:ed—the stomach is shy of new acquaintances—
Tobacco does not prevent Y. fever!!—Diemerbroeck
furnishes an exception; he says it preserved him.
People who ate juniper berries during a pestilence
escaped it—. There is one prophylactic which Dr. R.
will not recommend; that is, Drunkenness—if any
of you wish to adopt it, says Dr. R. let me advise you
never to be sober! for during the intermissions
the effluvia act with double force—. frequent &
moderate meals are good preventatives—keeping
up constant fires—&c. It is said to have been checked
by shutting the windows against it—. Thus, Gen:
:tlemen, says Dr. R., I have given you the result of my
reading and enquiries respecting fevers from exhala:
:tions—. The more successful you are in the
practice, and the sooner you cure diseases, the
less will you be respected for it! According to the
Importers, and in consequence of the present
doctrines, we are likely to have pestilence
for centuries to come—sufficient for you
to make your fortunes by it!—&c. (The Dr. made
~~made~~ many just, and ironical remarks).

Jany. 28th. Lecture 65th. — A generous diet is useful in diseases of debility, but in no other — Fevers of a truly malignant nature have been produced by Opium — for the cure, use bloodletting, emetics, cold water to the head, &c. — Where the opium cannot be discharged, dilution may be tried — stimulating injections, and flagellation. — Fever from the bite of rabid animals — besides what is said in his Inquiries, &c., Dr. R. thinks Tracheotomy would be useful; as he believes death is caused by strangulation — Dr. Physick was the first who proposed it. — Mr. Todd lost a son by the bite of a mad dog — upon dissection it appeared that death was caused by suffocation. — Death often occurs in Hydrophobia in the act of swallowing — Aversion to liquids is not peculiar to the disease caused by the bite of rabid animals — Dr. R. saw it in Yellow fever. — Tonics have been tried for it to no purpose — Bloodletting, even the most liberal, has but little effect; because the trachea is so out of the circulation — as much as paronychia — and who would bleed to cure that? — Salivation has been tried, but nothing appears so likely to do good as Tracheotomy. — What! cut a man's throat to save his Life! — Yes, Gentlemen, says Dr. R., cut his throat to save his Life. — The

The canula introduced into the trachea in this operation should be free from irritating angles & points.— Most of the remedies for Hydrophobia have cured when the animal was not rabid!— Excision is better than caustic to the part bitten. Washing with cold water is good.— Sweating state of Fever — occurs in plague, rheumatism, madness, &c. The cure of this state of fever is effected by depletion; particularly venesection, when it occurs in inflammatory fevers;— but the practice must be regulated by the pulse — Dr. R. cured it by wearing flannel shirts.— Fainting state of fever — occurs in cases of great indirect debility early in disease — relieved by venesection, &c.— Burning state of Fever — occurs in Yellow fever — Mosely describes it — Bloodletting cures it in malignant states. Chilly state of Fever — occurs in some malignant Epidemics — The Warm bath does not relieve it — it is sometimes partial, and sometimes general — Dr. R. has relieved both partial & general chills by bleeding. Petechial state of Fever — vide Duncan's Medical Reports — it gives a good account of it.

Jany. 29th. Lecture 66th.— Intestinal states of Fever — viz. Diarrhoea, Dysentery, & Cholera. — Diarrhoea is sometimes called "downward consumption" in Virginia — It is to be treated with venesection if the pulse will bear it — Emetics — Ipecacuanha is a good emetic — it is tonic — a new action is created

created — purges — absorbents —. Diarrhea is sometimes caus:
:ed by acid secretions or acid excretions in the bowels;
and then it is relieved by demulcents — as gum arabic,
mallows tea, flaxseed tea, bran tea, &c. — Clysters of flax:
:seed and bran tea are good —. Astringents are often
good; as gum kino, galls, &c. — Blisters applied alter:
:nately to the wrists and ankles are very valuable —
Too much cannot be said to enforce these reme:
:dies — Warm bath is good — Dr. Tilton first introduced
it into the American army — The Warm bath,
and Springle's Chalk julep cured almost every
case —. In summer, the cold bath should be
tried — The late Dr. Ewing was once cured by the
cold bath — A diet suited to the state of disease
should be used — Cordial drinks — a lump of loaf
sugar dipped in brandy and melted in the mouth.
A vegetable diet alone has cured diarrhea —
Ripe fruit has cured it; as black-berries, straw-
-berries, &c. — Change of Air is of great consequence
— of water also — for sometimes there is something
in the water of a purgative nature — Wearing flannel
next the skin is proper — keeping the feet warm is
very necessary — and when all will not do, a sa:
:livation must be tried. — Cholera Morbus
is an inverted bilious fever — it is most pre:
:valent in hot weather — is brought on by a
:sudden change of weather — sleeping with win

windows open — Eating summer fruits to excess will excite it — as will some poisonous substances — We must bleed for it in Inflammatory constitutions — Liquid Laudanum given per os — or if the stomach will not bear it — per anum, in conjunction with Mucilage, as starch, &c — Mucilaginous drinks — Cordial drinks — A tea made of toasted oats — Blisters, on the ankles and wrists — or nearer the trunk where a coldness is coming on — cataplasms of mustard seed — Warm bath &c. — Bilious Cholic — occurs when bilious fevers are prevalent — is known by being preceded by a chilly fit — attended with a discharge of bilious matter — neither of which occur in nervous cholic. — It is attended with a tense pulse. — We should bleed, purge, clyster, apply warm bath, &c. — Treat it just like bilious fever, of which it is a form.

Jany. 31st. Lecture 67th. — Dysentery — is often caused by Marsh Miasmata — but sometimes by human — It may be induced in a weak state of the bowels by other causes than miasmata — It prevails more on high grounds than low — and at the same time that Intermittents prevail in the low grounds — It is here caused by the cold air determining perspiration to the

Intestines - It also occurs in fruit seasons - and has been caused by sour wines - It alternates with bilious fever sometimes - It is more fatal in young people and children; perhaps because they do not take medicine so readily - When bilious fever prevails in summer, dysentery will often prevail in autumn - Dysentery has terminated in black vomit during Yellow fever - Dysentery has been known to terminate in salivation - Dr. R. saw it in one case terminate in ophthalmia - Why not? it is only a state of fever - It is sometimes succeeded, like colica pictonum, with a numbness of the lower extremeties; crackling of the knee-joints, &c. - It has been intermittent & periodical; returning in painful paroxysms of 3 or 4 hours a day - It is a very fatal disease when it attacks violently - but is seldom fatal in mild cases, treated timely and properly - It is generally preceded by a stoppage of the secretion of bile, & costiveness - sometimes saburra, or broken pieces of of fæces are discharged - sometimes blood & mucus are discharged - sometimes mucus alone - but still it is a dysentery - Dr. R. has called it a gonorrhea of the bowels - It may be cured, or prevented, if a purge be given during the first symptom of the approaching disease; viz. a costiveness attended with a slight irritation to go to stool - When the constitution of the air is

is inflammatory, or the pulse calls for it, bleed: next emetics are proper - next lenient purges; as castor, linseed, &c. oils - A german writer has lately recommended Sulphur in dysentery, highly - Dr. R. thinks he reasons justly; but has never tried the remedy - The dose is a teaspoonful every 2 or 3 hours in Molasses - it acts chiefly on the lower bowels - When these purges fail, Rhubarb, jalap and calomel combined, have been found useful - In the West Indies, common Salts & Limejuice are used - It will not do to purge on the first day only, tho' ever so copiously - We must purge every, or every other day; as in bilious fever - Emollient Clysters, demulcents, &c. must be used freely. - Mutton suet and Milk are used in this city - At the seige of Derry, equal parts of tallow and starch cured almost every body; acting as demulcents - When Opiates increase pain, either by mouth or Glyster, we must lay them aside, and use demulcents - and reduce the arterial system if high - Blisters are very useful; - they derive to the skin, and abstract from the bowels - they should be applied to the wrists and Ankles - They were once applied to the belly; but there they are attended with great pain & inconvenience - The Spaniards on the Mississippi always died with dysentery - because their

excitability was worn out by their mode of living; which was, 4 red peppers, a salt herring, and sweet oil (beat up) for breakfast.— Where the dysentery assumes the Intermittent form, or is worse in the evening,— the bark is excellent, when taken in the intervals— Lastly, a Salivation.—

Dysentericula — a slight kind of the above disease.— The good signs of dysentery, are a return of fœtid stools (i.e. natural fœtor) a discharge of living worms—. A discharge of dead worms is a bad sign. — Is it a contagious disease?— It may be in cases of long protracted disease— but not otherwise readily—. Prophylaxis— avoiding cold, wet, &c. &c. using proper diet— keep open bowels— a free discharge of the bile— live on salt meat in hot weather— drinking molasses & water has prevented it.—. We have now finished summer & autumnal diseases— they are all the effect of one remote cause,— viz. Miasma— brought into action by a variety of exciting causes.—

Pulmonic state of Fever— a pain in the shoulder is not peculiar to Hepatitis— it occurs sometimes in Pneumonia—. Often in the worst diseases of the Lungs there is no pain nor no cough— The worst cases pleurisy have been without pain, and with a very small pulse.— In this disease, viz. Peripneumonia vera, or

or Pleurisy, large bleedings are generally admitted by both patient and physician - It was the custom formerly to bleed only in the early part of the disease - but if you bleed early, you may bleed late, if the pulse call for it - and even if you have not, and an abscess should have commenced, the bleeding will prevent the abscess from growing as large, as otherwise it would - and perhaps promote resolution, or absorption. - Next to bleeding, purging - blisters should be applied earlier in this disease than any other - Diaphoretics are good; and nothing is better for this, than seneka makeroot, combined with a little Liquorice - When coughs occur, Expectorants are used - but if the pulse will bear it, the best way to treat the cough is to draw it off through a vein. - Peripneumonia Notha - is a kind of Apoplexy of the Lungs - for they often cannot react - and shew no sign of Inflammation - sometimes it is attended with sharp pain - sometimes with no pain - sometimes it is attended with great attempts, or efforts to cough - It often kills suddenly; and may sometimes pass for Apoplexy - great & speedy venaesection, to 20 or 30 ounces, must be used - blisters to the breast - On a sudden case, Dr. R. used steam of Water, made by a red hot shovel in water, inhaled by the

patient - he relieved him suddenly, & then tried fictions, blisters, &c. - Laudanum, also, may be given after relief for the present is procured to the patient.

February 1st. Lecture 68th. - Pneumonia biliosa - occurs after bilious fever - for which, give purges of calomel, & other cathartics. Venesection when the pulse calls for it - Emetics. Blisters to the breast - Sometimes the system is below reaction - then the bleedings must be cautiously performed - In some cases the Lancet should by no means be used - we should here give bark and other cordials and tonics - Say not then, Gentlemen, says Dr. R. that I recommend bleeding in every case! These walls will bear witness, continues he, that I do not advise it when the System is below reaction, - or there is such a degree of hirritability in the muscular fibres of the arteries, as to forbid the use of the Lancet.

Catarrh - is produced from exposure to cold, or moisture - Sometimes it attacks the schneiderian Membrane, producing sneezing - when it seizes the bronchia it causes cough and copious expectoration - It is scarcely known in the Uniform climate of Russia - Some brute Animals, as Horses, are subject to it - In Children who cannot expectorate freely, it is often

often fatal - and causes fever, called catarrhal fever -. In the forming stage of catarrhal fever, use pediluvium, diluting diaphoretic drinks, as warm vinegar & water with molasses in it - &c. Garrick, who could not afford to have a cold, used to eat a salt herring, which caused him to drink a great deal, and in that way carried it off -. When Catarrhal fever has formed, use venaesection, purges, (of neutral salts) - blisters, demulcents, as flaxseed tea, &c. - Antimonial powder. For a cough, ℞. Liquorice, Gum Arabic, Tartar Emetic, Laudanum & water - mix in proper proportions -. When the pulse is low, brandy is generally added to the syrups used - Where the cough is spasmodic, a little oil of Amber and asafoetida is good -. A man suspended a cough by putting his hand against a cold wall. A Burgundy-pitch plaster to the back of the neck, (vel inter scapulas) is good for the cough. —

Pulmonary Consumption, Pneumonicula, or Chronic Pneumony - This disease is induced by debilitating causes - it is a disease of the blood-vessels - alternates with Mania, rheumatism, &c. &c. Occurs in cold and moist countries -. The Inhabitants of Salem, (Mass.) - Boston, & Rhode-Island are subject to Consumption, - because those places are kept moist by the Sea-Winds -

We

Phisis, according to Cullen, comes on most frequently in persons who are of a sanguine or sanguineo-melancholic temperament, & who have very fine skins, rosy complex=ions, large veins, & soft flesh. likewise persons of a slen=der make, of long necks, narrow chests, and prominent shoulders. —

We should therefore dissuade consumptive patients from going to the Sea-shore; & where the patients live near it, advise to leave the place.— It often occurs from want of sufficient bleeding in acute diseases of the heart.— When it carries off the patient in less than 6 weeks, it is called "galloping consumption". Sometimes it lasts all the Life — i.e. from early life to old age.— It occurs in persons who have red hair, and black eyes, most frequently.— It is oftener transmitted to children, from the father than the Mother.— Dr. R. has seen this disease without chill, fever, night-sweat, or cough — yet it has run its course fatally.— He calls the abscesses, tubercles, &c. the effects of Consumption — as water in the ventricles of the brain, is the effect of Hydrocephalus; the disease being in the bloodvessels.— The Remedies are of two kinds — to prevent when forming, and to cure when formed.— In the forming, sometimes bleeding — but tonics, exercise, riding, country air, &c.— Avoid all exciting causes. In this state (the forming state) we should alarm the patient and his friends — for it will do him no harm, and will prompt him to the use of remedies, while it is remediable — but when it is formed, it is unsafe to alarm.— In the Synocha and Synochula fulsa, we should

bleed - but use small bleedings; for it is a pro=
=tracted disease -. A veg. diet - a little salted fish - Milk
should not be used in the inflammatory state
of this disease - we should use that diet which is
light and affords least nourishment -. Blisters are
good when the Inflammation is gone off - Emetics.
Salivation has been used with advantage to
remove the disease; but we must use tonics af=
=terwards, - for it does not remove predisposing de=
=bility - Where it does no good, it does no harm;
which cannot be said of most medicines - Af=
=ter the Salivation, which only suspends the dis=
=ease, we should order exercise; as riding, &c. com=
=bined with tonics -. Tar pills have been found
good in a typhoid pulse after cough? -. It is
improper to send them (the patients) to the West
Indies - Smoking tobacco has been found useful
to allay the cough - Night-sweats are relieved by
flannel worn next the skin - Rest is procured
by opium - Where the legs swell, and the pulse
is tense, bleeding will relieve. - Blisters - Digitalis only
suspends the pulse, but does not remove the cause;
and therefore does not do better than venesection,
if as well -. Phthisis has been cured by living on
Malaga grapes - eating sweet apples, &c. &c. - put=
=ting the patient in a Cowstable has cured it -
but it is not the stable; it is the equable
temperature of the air -. Neither Abscess, tuber=

tubercles, &c. should deter us from attempts to cure - for cure has been effected after all. — Death occurs by a rupture of the abscess - of a blood-vessel - by a translation to the brain, in the form of Mania - to the bowels, in form of colliquative diarrhoa - this last is the most common termination of Consumption -. Prophylaxis - Warm dress - occasional venesection - occasional journies - change of residence - avoid exciting & remote causes, &c. &c. ———

Feby. 2nd. Lecture 69th. -. Anginose state of Fever - Ulcerous sore throat - Malignant sore throat - Occurs in Plague - is very fatal - It once prevailed in Philadelphia; chiefly among wealthy families, and among children - It is sometimes sporadic - is generally supposed to spread by contagion; but the remote cause must often be in the atmosphere - It is originally a disease of great malignancy; often depressing the system below reaction, - or inducing that irritability of the fibres of the arteries, which will not act after bleeding. During the predisposition, the patients are either languid, stiffnecked, have watery eyes, &c. - or are uncommonly sprightly -. An Emetic of Turpeth mineral has often strangled the disease in the forming stage - Turpeth Mineral is generally thought best for this purpose -. After the disease has formed, bleeding according to the pulse - Emetics of Turpeth Mineral - Gentle purges, not drastic ones - Bark, Wine and Cordials; and where debilitating

debilitating diarrhoea attends, Laudanum - Mercury induces an action less dangerous than this disease - Bark and Cordials are proper in this disease, because it is a centrifugal one - they are improper in Yellow fever because that is a centripetal disease - The sordes should be removed with a rag on a stick - sweating is in general favorable - prophylaxis - low diet, &c. - Cynanche Scarlatina - is generally attended with Ulcers, - and where not thus attended, the skin comes off during convalescence - It sometimes kills in a few hours - It exists in all the grades from a fleabite to the Plague itself - It is nearly the same in the forming stage with the Malignant cynanche - Remedies, - bleeding according to the Pulse - Emetics - purges - sweating - blisters to the extremeties - &c. - Pains and swellings in the limbs are favorable - jactation and coldness unfavorable - Delirium is less unfavorable in this than any other disease - A yellowness is unfavorable - It is an atmospherical disease when Epidemic; and is prevented by purges - Angina Suffocativa - Symptoms nearly the same as in the Malignant state - When fatal it leaves a membrane in the Trachea - suffocates the patient - Matter comes through the nose

nose and mouth, sometimes highly acrid.- Treatment in the forming stage nearly the same as in the others.- When formed, bleeding according to the pulse - Emetics - fumigation - sweating - blisters, bark, &c.- These diseases have all one remote cause - and are of domestic origin.- Cynanche Trachealis - chiefly affects children; but sometimes adults - Is generally Idiopathic - but sometimes symptomatic - as of Rheumatism, Yellow fever, &c.- It is seated in the Trachea.- Children are sometimes quite well, and in an hour after are very bad - owing to clonic spasm; which is alternate spasm & relaxation - Tonic spasm, is continued.- Sometimes there is Inflammation of the Trachea - called Trachitis, & Rheumatism of the Trachea - Bleeding is a remedy, - and should be used largely - Some use it successfully ad deliquium; because the trachea is so far out of the circulation - Emetics should be joined with bleeding - purges - large doses of Calomel - Seneka - Snakeroot in decoction - Blisters, in cases of danger, to the throat - Cataplasms of Mustard to the soals of the feet - Pediluvium - &c.- but these latter are like the small arms of battle when compared with the field pieces and Artillery of Bloodletting, Emetics, and purging.- Tracheotomy has been talked of - but, I believe, Dr. R. did not mention it.

Feby 3rd. Lecture 70th. — Anginose state of Fever, continued — Cynanche Parotidea — or Mumps; often alternates with the Testicles in Men; and the breasts in Women — It is sometimes translated from the Testicles to the brain; when it proves fatal; this translation is prevented by a blister to the Testicle! — Cynanche Pharyngea — is cured by gargles — Spirits & oil applied externally — Cynanche Tonsillaris — generally causes a suppuration of the Tonsils — Dr. R. formerly bled in this disease; but not with great success — A puncture in the Tonsils, discharging a few teaspoonfulls of blood, is better than 12 ounces drawn from the arm — Bronchotomy has been once tried, and it then protracted life — The tonsils, when suppurated generally break by coughing, laughing, &c. — It is brought on by cold feet, &c. — Wearing wool in the ears has prevented its recurrence. — Eruptive state of Fever — 1. Small-pox — More of the human race has been destroyed by this disease, than by War, famine, fire & pestilence; altogether, — 40,000,000 have died of it during the last century — but, happily, it will be seen no more — Jenner has discovered a substitute — the Vaccine disease — It has many advantages — it may be communicated at any time, without preparation by Regimen or Medicine, and without danger — It is not contagious — &c. — The first scab that may be preserved 2 months in a

a phial, (well corked,) and then dissolved like old varis:
:lous matter.—(Dr. R. here went on to panegyricize the Cow)
The Time will— it must come, says Dr. R., when
all fatal diseases, as pestilences & other malignant
diseases, will become extinct!!—. Meazles— In this
disease the pulse is mostly synocha—but some:
:times Typhoid, Typhus, &c.— When meazles occur in
Autumn, they are compelled to wear the livery of
bilious and Autumnal fevers—. A sore mouth
was once considered a pathognomonic sign in this
disease; but it does not hold good always.— See
the fallacy of pathognomonic signs!— Watery eyes,
hoarseness, cough, &c. attend meazles—. Venesection
according to the pulse must be used— and other
Antiphlogistic remedies— There have been instances
of a second eruption—. Meazles are often followed
by diarrhœa, and troublesome cough— & Consumption.
These effects are the consequences of deficient Ulceration.
Erysipelatous state of Fever— is sometimes caused
by cashew nuts; and the poison vine of this country.
It is often a precursor of pestilential disease— It
sometimes ends in death, in consequence of trans:
:lation to the brain; and from Mortification—.
Copious venesection, according to the state of pulse,
should be used—. The saturnine, and other re:
:pellents, must be avoided— a little dry flour
is all that should be applied.— Miliary Fever
is seldom seen now-a-days— keep the bowels gent:
:ly soluble in this disease.—. Varicelli— is a trifling
disease— a simple purge is sufficient for it.—
Pemphigus— is an indifferent disease, generally.—

Rheuma

Rheumatic state of Fever – An old Soldier without Rheumatism would be worthy of a place in Peale's Museum; on account of his rarity! – Rheumatism is an inflammatory disease – Dr. R. has seen the worst cases in Summer – it mostly attacks the joints; but sometimes other parts – It is divided into acute and chronic – both inflammatory – one synocha, the other synochula – Chalk-stones and contractions are sometimes formed – these are disorders, not diseases. – In the synocha state, use copious venaesection – purges – Pottergill forbids venaesection – but it is because they have used too small bleedings in England, that they have not had success – Remember, the joints have but small bloodvessels; and large, and topical venaesection will appear necessary – The Break-bone fever (which prevailed in Philadelphia some years ago) was cured by purging. Low, and solid diet for Rheumatism – blisters – Cabbage leaves applied to the joints, or limbs, are good – bathing them with Molasses – Mercurial ointment rubbed on, is good – Cold air is sometimes good – how would cold water do? it is used for foundered horses – these have lumbago, fever, &c. It is a Rheumatism – people lead these horses into cold water, and make them stand there several hours – this prevents exfoliation and suppuration of the hoofs and feet called Arthropuoros – Friction? Capt. Cook was cured by it in the Isles. – The Synochula state is mostly inflammatory – Chronic diseases require chronic remedies – It seldom fails of yielding to the Lancet – Dr. R. has tried all the

the other remedies without success - but now the Lancet succeeds, - aided by low diet, neutral salts - and salivation caused by Antimonial powder. — Prophylaxis - flannel worn next the skin - warm feet - low wines - acid fruits - Cyder should be particularly avoided; unless a hot iron be first plunged in it - in this case, it has been used as a cure - Cold bath. - Remedy - Warm and cold bath - Vapor bath - friction - Volatile Liniment - Cayenne pepper in brandy, applied to the parts - Volatile tincture of guaiacum; but not until inflammatory action has subsided - Salivation - Change of climate - Volatile salts - Electricity, &c. &c. — &c. — Pain in the face has been described, supposed to be owing to cancerous matter - Antiphlogistic remedies have been tried in vain - destroying the nerve has removed it.

Feby. 4th. Lecture 71st. — Arthritic state of Fever - It is a disease of the solids - occurs in the extremeties oftener in Men than Women; but it appears in Women in the forms of Colic, &c. &c. - It occurs in the season of inflammatory diseases - It has been cured by a change of climate - It is hereditary; but often misses one generation, and attacks the next - The remote causes are certain Aliments - vexation - Wine, and Ardent Spirits - these last dispose to gout in the extremeties; which perhaps is the reason why Women have it less in those parts. — Exciting causes - consist in a more violent action, and an union of remote and predisposing causes - It is brought on by irregularities and debauches, &c. - Proximate cause - is morbid

Morbid action — When it attacks the arterial system, the phenomena of common fever are produced — it affects the viscera — glands — lymphatics, &c. — It has caused Menorrhagia when it attacked the Uterus — from which it was translated to the feet. It has appeared in the form of Gonorrhoea, &c. In short, like Yellow Fever, it is an epitome of all diseases. It has terminated in petechia, gangrene, &c. — Even the bones are not exempt from this disease — It has dislocated the femur; probably by means of chalk stones. It has dislodged the teeth. During the paroxysms, the hair and nails cease to grow. We may as well call the Yellow fever, when it affects the brain, groins, &c. Y. fever of those parts, as talk of misplaced, or retrocedent gout. — It is said that Gout prevents other diseases — it does this just like drams prevent Intermittent fever. It is like school-boys swallowing cherry-stones to help digest that delicate fruit! It is worse than the diseases it prevents. — Symptoms of approaching gout — drowsiness, disturbed sleep, flatulence, acidity in the stomach, dulness in the head, &c. — It's accession may be prevented by venaesection, or purging, — Pediluvium — Laudanum — Olum Succini — These remedies are safe and efficacious — When the bloodvessels are affected with violent action, — Venaesection, purging, Salts are generally offensive; but any of the other purgatives are good — Emetics are good — Cold air, in inflamma-

-tory cases - for here flannel is as improper as in o-
-ther inflammatory diseases - Putting the feet in cold
water was used by Harvey - Blisters, in moderate
cases of floating gout, like the electric rod, collect
the scattered fragments of Excitement, and conduct
them out of the system -. Sweating - Exercise, as soon
as the fit is a little over, is very necessary -. Re-
-medies for feeble gout - Warner's Tincture - Opium
- Ether - oil of Amber - Salivation - Bark - Ardent Spi-
-rits - Volatile Alkali, &c. - Local complaints are treated
of by Authors, to whom we are referred -. An itching
in the Anus, & vagina, is a symptom of Gout -
cured by rubbing Mercurial Ointment on the
part -. Gout has been completely eradicated.
In one case, by the low diet of a jail for a year
or two - another, by an accidental hemorrhage -
by torture - by a large dose of Laudanum -. Pro-
-phylaxis - Temperance, but not Abstinence -
the latter is low living - the former Moderate -
Exercise - Uniform temperature - Avoid cold par-
-ticularly when combined with moisture - Wear
flannel in winter and muslin in summer -
Sulphur between attacks, is an excellent remedy
to prevent costiveness - Bitters are not proper as
preventatives - they dispose to apoplexy in young
and plethoric habits -. Warm climate - Gently
stimulating aliments - Chalybeates - Ginger tea - &c. -

Feby 5th. Lecture 72nd. - Cephalic states of
Fever - They affect those parts connected with the
intellectual faculties - In what manner the In-
-tellectual powers are acted upon is not certainly
known

known - they are all the effect of morbid excitement in the brain - the different states of morbid action alternate with each other - All from one remote cause -. We begin with Phrenitis - It is occasioned by causes acting directly and indirectly upon the brain - Contusions are the most common causes - the intervals between the injury and disease are sometimes long -. Falling upon the feet has produced it - Causes acting indirectly - pains in the extremeties - translation of diseases; as of plague, yellow fever, &c. Suppression of piles, urine, &c. disappearance of eruptions on the skin -. It is most dangerous after cholic and pneumony! - It is said that all die with it after pneumony! - Dr. R. has seen recoveries after it - but it is necessary for us to know this -. It sometimes ends in madness - the pulse is generally synocha - but sometimes typhoid, typhus, &c. - now and then it is natural -. An inability to bear light and sounds attends it -. Delirium is a constant symptom -. Delirium differs from Mania - to be distinguished by its occurring more frequently - patients not remembering occurrences afterwards, - this is seldom the case in mania; though it is now and then - In delirium, attendants are not distinguished - this is not the case in mania - The fever in delirium is more obvious - in mania more suffocated - In delirium, they rarely remember what is said or done - maniacs generally remember; often better than their attendants, what is done - Never an instance occurred, as Dr. R. knows of, wherein delirious patients remembered past events - Maniacs are confined mostly to one subject in conversation

delirious

Delirious Patients wander upon all subjects - &c. —
In cases of great morbid action, copious bleeding, particularly when from contusion - Dr. R. bled a Patient 20 times in 20 days, and took 16 ounces of blood at a time - Cupping upon the head - Arteriotomy would have great advantages - The head & shoulders should be elevated - Pressure upon the carotids? - Purges & blisters - cold water, or air to the head - darkness and low diet - If owing to suppressed piles, they should be excited again - In Typhoid and Typhus Phrenitis, the remedies should be the same as in those states of fever - When owing to suppression of Urine, it should be drawn off - It is connected with Malignant fever - now and then with Yellow and Intermittent fevers - A celebrated Tragedy induced it in several - It sometimes attends the close of Typhus fever - Lethargic state, or Coma - The remedies must be accomodated to circumstances - bloodletting - blisters, cataplasms - Company after proper depletion, - conversation is a stimulus in diseases of the brain. — Apoplectic state of Fever - occurs in Plague, and all Malignant fevers - The remedies must be suited to the grade of fever it accompanies - Bloodletting, purges, vomits? & Clysters - Cold applications to the head, and cataplasms - lastly, bark - Typhus state - Remedies the same as in that state of fever - Paralytic state - This is less common - it appears in Hemiplegia, Paraplegia, and in general Palsy - in the last case, often from sudden exposure to cold - Bloodletting, salivation, &c. - Hydrocephalic state of Fever -

This seems most properly to belong to the cephalic states of fever — For it's history consult authors — It is Idiopathic or symptomatic — from contusions, blows, &c. — it occurs also in fevers — Dr. R. has seen many cases of this kind — Authors have reversed the order of cause and effect in their accounts of this state of fever — When it has occurred in, or in consequence of, other diseases, they call it the original disease — Worms may determine the blood to the head; and therefore be a cause of this disease, as well as contusions, &c. — Acquired sympathies are numerous & not understood — Natural ones alone are known: Worms may act like a blow, &c. — Many symptomatic diseases destroy Life — In this state of fever, there is disorder as well as disease. The disease is simply morbid excitement in the brain, let the cause be what it may — Dissections sometimes shew a sound brain in this disease — This puzzled physicians formerly — but Morgagni has dispelled the cloud — the excitability is suddenly destroyed — Sometimes inflammation appears; particularly on the Pia Mater — but no effusion — Sometimes water is effused — The pulse after an effusion, becomes more natural and frequent — The patient is able to sit up — and appears much better — but the water in a short time induces reaction and the patient soon dies — This has deceived physicians — Bloodletting — the blood always exhibits a morbid appearance — In the year 1801 Dr. R. took 100 ounces from Miss Hunter at 10 bleedings, in 10 or 12 days — There is no back door to the brain for effused water to escape at — Dr. R. has cured after effusion had taken place — Strabis-

Strabismus, convulsions, &c. are the most alarming symptoms that characterize the disease—. Cups, and leaches should be applied to the head— Cold applications— Active purges should be given; the bowels being generally torpid— a view should be had to discharging Worms— they aggravate the disease. give Calomel, Rhubarb, and Jalap—. Blisters and a salivation—. The latter (salivation?) was formerly the exclusive remedy— and is still in Great Britain— Dr. Mons has acknowledged that he never cured it. Mercury rarely affects children; and when salivated, a mortification is apt to occur—. In Adults it is more safe, and easy to effect—. Dr. R. used it in Miss Hunter's case— but Bleeding is more simple and safe—. Bark and the cold bath should always be used to prevent relapses—. There was a time, when, like Cynanche Trachealis, it was an incurable disease— but that time has now passed away— hydrocephalus has ceased to be terrible! To the Lancet, Gentlemen, says Dr. R. we are indebted for our victory over it!— It has wiped away reproach from Physicians, as well as rivers of Tears from the eyes of our fellow creatures.

Feby. 7th. Lecture 73rd.— Hydropic state of Fever; so called, because it has all the symptoms of fever— it comes on like fever, &c.— Morbid action in the bloodvessels when left to itself always tends to effusion—. Swellings in dropsy differ from those in Hysteria— Serum mixed with coagulable lymph is effused in Ascites, and Hydrothorax— Coagulable lymph is effused in the glands, as kidneys, &c. and calcareous Matter is sometimes formed— blood is sometimes effused,

constituting gangrene -. Inflammation is increased excitement - but not always increased action - for excitement is sometimes carried beyond the point of great action -. Bony matter is sometimes effused -. A neglected catarrh, or half cured Pneumony often cause hydrothorax - 19 dropsies out of 20 are originally diseases of the arterial system. It is seldom a disease of direct debility - for all old people labor under this debility - and yet how few old people have even swelled legs & feet: dropsy never occurs in Marasmus, nor in cases of famine when direct debility prevails. It is a bad sign for the water to ooze out of the puncture -. Sometimes dropsy is encysted in the abdomen - in this case, the belly is generally uneven in appearance - but a difficulty of purging is considered a better proof. Sometimes we should inform the patient of these varieties to prepare him for them. An inflammation has been excited in the Abdomen similar to that in Hydrocele -. A dropsy happens sometimes in the Ovaria - out of the reach of medicine - salivation however should be tried. A dropsy of the Uterus sometimes occurs -. Also in the Scrotum, which has been cured by discutients; but generally by the operation -. Anasarca - Patients generally use friction in the evening and downwards - the reverse of both should be done -. Blisters should be applied to the Legs about the calf - it answers two ends - a discharge of water, and confinement to a horizontal posture

which latter should be always observed.— We should never use scarification— but punctures may be used—. Dr. R. never knew punctures to mortify—whereas scarification often does—. Punctures may mortify where the action of the bloodvessels is great— as would blisters, &c.— This action should be reduced by proper venaesection— Dr. R. knows of but one case of hereditary dropsy—. In cases of Anasarca, when the water is removed, exercise is to be come at gradually— first riding— then gentle walking. &c. —

(☞ vide last page ☜ ✠ — at which place ought to be inserted what follows, of this Lecture. ☜!) — The causes of all the different states of the pulse, are the same in dropsy as in all other diseases— therefore we must attend to the pulse as much as in any other disease—. The remedies are, bloodletting according to the pulse— purges, vomits— sandbath— certain sedatives; as digitalis, nitre,— in Inflammatory, or tonic dropsy only— They act by diminishing serum.— Strange! that we should give diuretics and object to venaesection!— Digitalis is a vegetable Trochar;— but it only removes the water, without effecting a perfect cure— like salivation in Phthisis— it leaves great predisposition to relapse, which should be removed by tonics—. In dropsy attended with debility,— tonics, as steel, bark, &c.— Dr. R. only revived the doctrine of venaesection in inflammatory dropsy— he is not the Author of it.— Different forms of dropsy.— In the substance of the Lungs— in this case, the patient can lay down without difficulty— but in Hydrothorax the patient cannot lay down without sensation of suffocation— Sometimes Hemoptisis and

swelling of the Legs.— In Hydrothorax - bloodletting to the Pulse - Squills - digitalis - blister to the side, &c.— In Ascites - purges - salivation - vomits; cream of tartar - nitre - infusion of Tobacco, - have cured it. Digitalis is not of much use in this state of dropsy.— after the water is withdrawn by the use of these medicines, we should bandage the Belly tight - pressure has great effect on the absorbents. Tapping seldom succeeds; - especially if not done early in the disease.— It ought not to be done late; it generally hastens death, by abstracting the stimulus of distention.— Sometimes yellow, green, &c. matter is effused in the abdomen - sometimes a jelly like matter which cannot be drawn off - sometimes Hydatids are found there - sometimes blood is effused - It is a bad sign, &c. vide page 197.

Feby 8th. Lecture 74th. — Hemorrhagic state of Fever - Dr. R. is not singular in the Opinion that this is a state of fever. — Plethora - a Defect of Equilibrium between solids & fluids. - the Veins are strongest in early Life: the Arteries in late, hence Arterial Hemorrhage in early life, & Venous, as in Piles, in the decline. — Rush divides Hemorrhagies into tonic & Atonic. — acute & chronic - acute occurs in malignant fevers of great Action; chronic in Pneumonitis - or Phthisis. — Some families have an hemorrhagic Diathesis by which they bleed obstinately upon slight Wounds. — It was stopped in such, by long continued pressure - & a solution of saccharum Saturni in Vinegar. — Predisposing cause of He-

Hemorrhage, debility - remote and exciting causes - sud:den changes in the atmosphere, in density - tidence of passion - of exercise - cold feet have brought on hemorrhage from the Lungs - as has too much clothing - &c. Animal Mag:netism has induced hemorrhage. - Hemorrhage is lia:ble to return when once established - Cure - Venaesection; - it is not an effort, or remedy of nature; - and if it were, she does not use it with prudence, but to excess or deficiency - bleeding determines better - Cold is use:ful - lenient purges, &c. - Atonic Hemorrhages should be treated with opium - steel - bark - alum - cold-bath, &c. - Hemoptisis - attended with flushing - tickling cough - discharge of blood and froth - In vomiting of blood, the blood is black. - In hemoptisis the blood is florid - is sometimes discharged from the trachea - then it flows more rapidly - There is a tracheal hemoptisis, as well as a tracheal consumption - Three-fourths of the cases of Hemoptisis have occurred in the night. - It rarely occurs in persons who use their Lungs in sing:ing speaking, &c. moderately - Singing has relieved it. It rarely occurs among the germans, who sing much in worship - The Quaker Ladies of Philadelphia, are most subject to it - probably because they do not sing as much as others!! - It is an alarming symptom; but not dangerous - a mere local discharge is most easily cured when the discharge is free:est. In a debilitated state of lungs, a discharge of lymph is more common - this is generally dis:charged by coughing; or absorbed by the lymphatics. Where neither takes place, the lymph stagnates

and an abscess is formed - the cough becomes dry and husky; which is a dangerous symptom - the abscess at length breaks - sometimes suddenly, but often gradually. - Dr. R. makes Cullen's causes of Consumption, the effects only. - The lungs are a hardy viscus - devoid of Sensibility - They defy dust, gases, &c. &c. - 24 out of 25 cases of wounds in the lungs recovered without sequent consumption, during the late war, in one Campaign - No other viscus would have borne the same equally well. - Millers live as long as other people - they cough, to be sure, to throw off the dust. - The remedy for hemoptisis, when the pulse is tense, is bloodletting: after venaesection, common salt should be used freely - It should be used before Vsection, if that cannot be used readily - it is generally used as a temporary remedy in this city. - Brine has been found to prevent Phthisis. - Common salt, & after it cold water; even before bleeding, has stopped hemoptisis. - Cold should be applied to the whole body - cold water to the scrotum - Vegetable acids - alum - opium - saccharum saturni - blisters to the breast - rest - gentle purges. - Conversation, coughing, &c. should be strictly forbidden. - Use henbane seed, if opium be disagreable, or induce costiveness - British oil, or aniseed oil - cordial diet and drinks - Emetics, if other remedies fail; - or, at least, Nauseating drugs. - To prevent its return, all exciting causes should be avoided; as loud laughing - loud reading - singing - lifting weights - severe cold - great heat, &c. - Modera

moderate exercise should be advised - a moderate uniform climate - cordial drinks, as porter - and cordial diet - Occasional venaesection is an excellent prophylactic - A full pulse, and sensation of fulness at the breast, indicate venaesection - Bark, after the cessation of the disease and cough, is a good prophylactic -. Sir Hans Sloane took a dose of bark every day for 45 years, and preserved his health -. Many live to a great age who have been subject to it all their lives, nearly -. Hemorrhage in Dyspnoea is an acute disease - it is local, and no more dangerous than bleeding at the nose but, hemorrhage when consumption is confirmed, is generally fatal - Dr. R. seldom saw it fatal when it was the first symptom - but seldom otherwise when it occurred late. Hemorrhage of the Nose - is often spontaneous - but sometimes caused by accident - by passion - &c. &c. Cure - Venesection - lenient purges - cold applications to the neck; and scrotum - plugs, in the nostril - this seldom fails - Dr. R. lost but 2 patients from hemorrhages from the nose. - Ligatures on the arms are useful - but on the neck, are injurious - The patient should avoid sneezing, blowing the nose, &c.

Feby. 9th. Lecture 75th. — The pulse seldom fails to indicate the treatment necessary in diseases, as well as the state of the system. - The seat of a disease is not always to be ascertained; but the pulse generally shows what ought to be done. —

Hemorrhagic state of Fever - continued - When hemorrhage from the Lungs occurs early in disease if properly treated, it is seldom dangerous - If the discharge be sufficient, we should give Tonics

but if the discharge be not sufficient, we should deplete further; or effusion, and abscess will take place. The tubercles in the lungs have been called scrophulous in England; they are not scrophulous, - but still scrophula may fall on the lungs and cause Consumption. No country is so clear of scrophula as the United States. Hemorrhage from the stomach - is preceded by nausea - the blood is black, owing to stagnation -. The remote cause, - acid substances destroying the texture of the stomach - violent shocks of the system - hard drinking has caused it - it is vicarious with the menses - occurs oftener in Women than Men - alternates with the piles. - It is more liable to relapse than any other hemorrhage. - The pulse is generally Typhus in this discharge; - and Dr. R. gives vegetable and mineral Tonics for the disease. - There is a discharge from the bowels, originally from the Liver, called Melena, or Morbus Niger; - Remedy, the same as for the last. Blood is also discharged from a ruptured vessel in the bowels; - It may be known from the last by being red, and mixed with mucus - for which, vegetable & other mild diet - Hemorrhage from the Kidneys and bladder, sometimes occurs from relaxation - tonics, &c. - Hemorrhage from the Uterus - blood letting, if the pulse be full - positive rest in a recumbent posture for many days - cold - cold water - flour - Ligatures on the extremities - Sacch. saturn. &c. - During pregnancy avoid climbing stairs. - Prophylaxis - if the pulse be languid, bark and gentle exercise. - Abortion is mostly preceded by hemorrhage - it occurs about the 3rd. month after conception. - Hemorrhage from the Skin, occurs in violent passions. - Hemorrhage from Wounds - are stopped by cold - cold water to different

parts of the body — Alcohol — Mineral acids — Flour. This last, in cases of Uterine hemorrhage, by being thrown into the Vagina & on the pudendum, decomposes the blood, and causes coagulation to take place — Lunar caustic is good to stop an hemorrhage — as is adhesive plaster — A bleeder should never be without a piece of court plaister in his pocket — it never fails to stop the blood if difficulty occur after bleeding — so says Dr. Rush. ——

Feby. 10th. Lecture 76th. — The Liver has been called the Cloaca Magna — or Big Little House of the body! — The bile has been supposed an excretion — The Liver is often diseased in hard drinkers — Intemperance in eating causes disease of the Liver — Sea-sickness, violent exercise, heat, &c. cause an accumulation of bile — There is more bile in the gall-bladders of beeves in summer than Winter. Mania affects the Liver — Hippocrates thought the disease of the Liver was the cause of madness; but it is only the effect — Gout, the bite of the rattlesnake, — Miasmata — miasmata & ardent spirits, combined — induce disease in the Liver. Dr. R. confines himself chiefly to those effects caused by Miasmata — They first appear in sickness of stomach — discharge of bile, or a total obstruction of the secretion of bile — In Intermitting and Remitting fevers, Hepatitis is caused sometimes. This is suffocated Bilious fever; or Bilious Fever concentrated in the Liver — Excess in Animal food — drinking bad Water, &c. cause Hepatitis — Hepatitis was epidemic in Philad.a in the year 1792 — In the West-Indies, strangers are attacked with

with acute Hepatitis - and suppuration and death often ensue; - But those who are acclimated have neither suppuration nor death. - Premonitory signs in the East Indies - Depression, or elevation of spirits - languor - pain in the Liver - dryness of the gums - increased appetite, or impaired. - Sometimes no pain is felt -. The right Lobe is most commonly affected - but not unfrequently the left. - It's approach is also marked by thickness and yellowness of Urine - pain in the shoulder &c. - Remedies - venesection according to the state of the pulse - Seat of the disease when chronic, is supposed by Dr. Annesley, is in the Vena Portarum - As no disease tends more rapidly to suppuration and death, - so no disease requires more prompt and decisive remedies. - Sometimes bleeding is required to a great degree - the second remedy is a speedy Salivation -. When the Mercury acts first by making the mouth sore, as little ulcers, &c. it seldom salivates. When bleeding is properly used, salivation is not often necessary. - Purging - Blisters, in cases of great pain, where proper depletion has been used - Opium may be given in this state, and under this condition, with advantage. - Where blisters fail, a seton in the side has been found useful. - When suppuration comes on, - the abscess breaks, or terminates in all the neighboring cavities - and also externally -. It is fatal when discharged into the abdomen - thorax - stomach - pericardium - &c. The matter discharged is generally mixed with bile, except in external ruptures. When the abscess points outward it should hastened with poultices; and opened when mature - for when it opens itself it is always fatal! - says Dr. R. ——.
If Emetics operate too hard, a little Laudanum will

suspend the operation.— Black urine in Hepatitis is always a fatal sign.— Obstructions and Schirri are less frequent in Philadelphia now, than before the year 1793; owing to more frequent bleeding.— Hydatids occur in Liver complaints — worms — and schirri — these last, arise from neglected chronic complaints of that viscus; — and by reaction cause new inflammation and dropsy.— The most important disease of this part is in the gall-bladder; owing to stricture, spasm, gallstones, &c.— Gallstones are the most common causes of jaundice — they are sometimes lighter than water.— Cause great pain in passing through the duct — chills and sickness attend its passage. Symptoms of JAUNDICE — Uncommon languor — costiveness — or a diarrhaa of yellow stools — the eyes are tinged with yellow — but do not make images, or objects, appear yellow; as Stoy relates.— Milk retains its sweetness in jaundice.— If it be owing to spasm of the duct, it may be known by its coming on and going off at intervals — if from pressure of adjacent parts, purging will relieve it.— If from the Uterus, ~~the~~ a bandage to depress the Uterus.— A raw egg — and Mercury have been given with advantage.— When it is owing to gall stones, it is hard to cure.— Vomits to shake the Liver are sometimes good.— Boerhaave recommends drinking largely of water to relax; and then to use purges.— Limejuice is recommended by Heberden.— Electricity — a diabetes, or salivation of the Liver occurs sometimes i.e. profuse discharge. Vomits relieve, but do not cure it — Venaesection, &c. &c.— Many people have obstructions in the Liver nearly all their Lives, and afterwards become clear of it.— In such cases, Physicians should keep them from growing worse; by directing them to avoid all increasing causes; and time and nature will do a great deal.— Sometimes, in this disease, the Urine is as limpid as rock water.

Feby 14th. Lecture 77th. — Hemorrhoidal state of Fever — It is true, it is a local disease; but it is often connected with general affection — is attended with heaviness of the legs — pain at the extremety of the rectum, &c. — The remote causes — costiveness — hard riding — few people escape the piles who are in the habit of using aloes as purges — habitual use of Bitters. — Women, from their sedentary lives, and especially during pregnancy, are most liable to them — and Gout. — When the system is affected with increased action; bloodletting according to the pulse — local bleeding is very efficacious — by leaches and punctures with a lancet — A few drops will relieve the patient — Next to these, lenient purges — Sulphur is generally used — it is supposed to have a specific action on this part — Butter-nut pills are good — Rest — A person with piles should not walk about — Cold water applied to the part is very good, in proper states; viz. Inflammatory. Warm water in proper states — The smoke of burning leather (as of an old shoe) received on the part through a close stool — An ointment of hog's lard, and tar, made of a proper consistency with bees-wax — An ointment of white lead and sweet oil — An ointment of strammonium; or jamestown weed — Dr. R. has been thus particular, because it is an important disease, and apt to terminate in bleeding piles; which are troublesome; — and to which the system often accommodates itself so that they cannot be safely stopped — They also terminate in ulcers — fistula in ano — schirrous tumors — difficulty of stool — sometimes causing Consumption — Dr. Rush saw a case of this kind, where the disease of the Lungs was cured by taking off the tumors by ligature.

piles also cause prolapsus Ani; a very troublesome dis:order.— These may all be prevented by proper bleeding;— And remember, Gentlemen, says Dr. Rush, for I cannot repeat it too often, that the further the diseased part is out of the course of circulation the greater must be the loss of blood;— and the hemor:rhoidal veins are considerably out of the direct course. The Prophylaxis consists in vegetable diet— laxative regimen— It is much better to keep the bowels soluble by diet than medicine— A diet should be used that contains least excrement.— Ophthalmic state of Fever A disease of the eyes often occurs with apparent inflammation— pain, dulness, &c. &c.— After a bleeding Inflammation will appear— Another bleeding or two will remove it.— Remote causes— Miasmata— and all the general causes of fever— It sometimes accompanies dysentery— Cold feet will cause it— either by a na:tural or acquired Association.— There are Associations which are acquired by disease.— The exhalations of privies have caused Ophthalmia— as has the juice of Onions— smoke— sand— dust— translation of acrid matter to the eyes— &c.— In Kentucky, the pollen of vegetables has been known to cause it— The light of snow in a sunny day— great light heat— as among cooks— Excess in venery— &c. Remedies 1st. Darkness— the least light often causes great pain— 2nd. Venæsection— But where the system is not affected, the eyes, like the hemorrhoidal veins, being out of the circulation, we may bleed 100 times and not cure it;— therefore the Vsection should be local— viz. by scarifying the veins on the sclerotica!— purging— very low diet— blisters to the back of the neck,— but they of:ten do more good to the Temples— The blister should

be about the size of half a dollar, and confined by adhesive plaster. Cold water to the eyes. A great Oculist caused his patients to sit with their feet in cold water, and have it applied to their eyes at the same time. This probably acts by inducing a general rigor. An Eye-water, when Inflammation is light, may be made of wine and water - brandy and water - lead water - Also, ℞. Pulv. Calaminaris, and fresh butter as an Unguent. ℞. Sulph. Zinci ℥j, Acetat. Saturn. ʒiv, & Aqua Pluvialis one quart, Mix - This has been found a good Collyrium. ℞. Opium ℥j, galls ℥ij and Water ℥iv, Mix. ℞. Corros. Sublimate, grains vj, Spirits & Water, of each ℥vj, Mix, and apply to the eye. ℞. Liquid Laud. gutta LX, & Spirits and Water, q.s. - Also, Salt and Water - Saffras Pith and water. When Ophthalmy is owing to an inverted hair, it should be extracted. When Iron-filings get in, use Load-stone, or a Magnetic needle, to extract them. Where an Acrid liquor, as tears, causes the disease, Quince-seed bruised in water makes a fine demulcent. Where every application fails, a salivation must be tried. It is necessary to be acquainted with all these remedies. We should have our Quiver full of Arrows to fight this disease; & when one fails, try another. When the disease occurs in Autumnal fevers - and especially when it puts on a periodical form, use the Bark - Opium pills have relieved it in such cases. To prevent relapse, avoid exciting causes. One frequent exciting cause is a lucid and vivid fire. Hickory wood has caused it, and oak wood cured it for rather let it get well by giving out a less brilliant light.

Odontalgic state of fever - The decay of the teeth is generally preceded by tooth-ache. They sometimes appear decayed before pain occurs; but

but may they not have been affected with a chronic disease, causing this decay without much pain?- This state of fever occurs chiefly in the inflammatory period of Life - Of course, Dr. R. rejects the notion of Salt, sugar, fruit, &c. causing decay of the Teeth. They are only exciting causes of pain in the decayed teeth - this is inferred from the sound teeth of the West-Indians - Negroes & French people who live much on Sugar, have sound teeth. - Sudden and great changes of climate, cause decay and pain of the teeth - Toothache causes swelling of the Tonsils - sympathetic toothache of one in the opposite side - Where the gums are affected, they should be punctured - but where the system generally is affected, blood should be drawn from the arm - sponges - Opium internally and externally - roasted figs, or raisins, applied to the cheek - Ginger, beeswax, and pepper - Cordials - Wine and a full dinner have cured it. - Sometimes gum-boils occur, which mostly end in suppuration; - which destroys the roots of the teeth - In this case, extraction ought to be used; or the decayed tooth will affect its next neighbor. - Decayed teeth ought to be extracted, because they impair mastication, and consequently, digestion - they collect acid and putrid matter - are the inlet of morbid excitement - are subject to wounds in the nerve, which may cause violent commotions in the System - &c. &c. &c. Now, to avoid all these ever-to-be-deprecated consequences, Dr. Rush says - Extract! -

Feby. 12th. Lecture 78th. - Directions for treating the Teeth - Let the milk-teeth

be extracted as soon as loose, to make way for their successors.— Handsome teeth generally last longest.— Extract teeth as soon as they begin to decay. When horses live on soft food, their incisors grow too long for the molars.— The teeth require exercise.— If horses do not eat grass, they should have unshelled corn to keep the teeth in exercise.— Avoid acids.— they erode the enamel.— Wash the teeth after meals; especially after supper. avoid using the teeth at what they were not designed; as biting hard substances.— cracking hickory nuts, &c.— Remove the tartar from the teeth; but do not rub them too hard;— powdered charcoal is a very good dentifrice.— Transplanting the teeth is not a good practice.— Neither is pivoting them advisable.— Otalgic state of fever is a common disease among children.— in sore throat, &c.— Remedies.— bloodletting.— purges.— Cotton with Laudanum on it, put in the ear.— smoke of burning sugar.— tobacco-smoke, &c.— Aphthic state of Fever.— It never a primary disease.— is often caused by retention of the meconium in children.— In a true pleurisy it is a favorable sign.— and never occurs from the use of mercury.— The remedies should be regulated by the pulse.— venæsection.— Mercury.— gargles, of sage tea, honey, and vinegar.— &c.— Scrophulous state of Fever.— is a disease of the arterial system, originally.— but is thrown on the lymphatic glands.— It is endemic in Barbadoes.— It affects all the glands.— and several of the viscera.— also the bones; when it is called Rickets.— It is most common in marshy countries.— Remote causes.— Miasmata.— &c. &c.— It is said not to be attended with sizy blood.— but it is because the action is beyond that which produces sizy blood.— When the pulse

pulse is tense, - venesection, purges, &c. - when feeble, give bark; except there be pain in the bones, when Fothergill says it does harm - Cold bath - Sal soda - Mercury - burnt sponge is good only from the alkali it contains - soda is better -. There is no disease which requires so frequent changes of the Medicines. - All the remedies proposed may be right or wrong according to the state of the system. - Sea-air must be bad during excessive, or morbid action. - Scrophulous tumors should never be opened, except when near an important bloodvessel. - An abscess of the Liver should always be opened - scrophulous tumors never; with the above exception - the discutient and emollient cataplasms. - Scorbutic state of Fever - is common in moist countries - penury and want of Food have caused it - Marsh miasma has caused it; in this case it is called Land scurvy - It is an extra-vented fever, or disease of the blood-vessels. - Are not the fatal cases often owing to defect of early venesection, and other depletion? Experience proves it to be the fact. - Vegetable diet is useful partly from its lowness of nourishment - Nitre and vinegar - &c. - When the system is low, - Cordials - Spruce-beer - joy of returning home, &c. cure it. - Prophylaxis - Wholesome aliment - Spruce beer, &c. - Meat is said to putrefy first next the bone - Cut it from the bone and salt it. - Molasses has proved prophylactic. - Avoid sleeping near the sides of a new Ship. Those whose hammocks are in the middle of the Ship have escaped it - while those at the side had it. - Wear flannel next the skin - live in high situations. - Convulsive state of Fever - often occurs in children in fevers. - Touching the patient in certain states of the body has caused convulsion; - even speaking to him has caused it - Bloodletting according to the pulse - & Cordials - Assafetida - Volatiles - &c.

Feby. 14th. Lecture 79th. — Hysterical, and Hypochondriacal states of Fever — are attended with death-phobia — are troublesome — require tonics, cordials, &c. — Cutaneous state of Fever — is morbid action suffocated in the skin. — Dr. R. supposes Leprosy to be a chronic disease, suffocated in the skin. — Tinea Capitis — owing to all the causes of Autumnal fever — Remedies — bloodletting — purges — sweats, &c. — Gastritic state of Fever — The stomach is often symptomatically diseased — but it is also affected idiopathically — is irritated by acids — distended by Wind &c. The worst cases have been without pain — but in lower degrees, it is attended with burning pain in the gastric region — quick, tense pulse — It sometimes ends in black vomit. — The remedies should be, 1st. prompt and copious venæsection. — The stomach runs on rapidly to a kind of death, — somewhat different from mortification. — This rapid tendency of the stomach to death is probably the cause why Yellow Fever often does not yield to venæsection after the first day. — Enteritic state of Fever — is so often a symptomatic disease that it does not require specific attention. — Apoplexy — The sleep in apoplexy is attended with snoring — without previous watching. — The pulse is Synocha, Synochus &c. sometimes quick — often very slow. — A quick pulse in apoplexy is not so dangerous as the slow — because it shows signs of reaction. — The worst kind of apoplexy, is when it is attended with foaming at the mouth. — Paleness of the face shews the disease to be retrocedent — or determined to the brain — it is a bad sign — also sweat on the forehead. — Remote and Exciting causes — Excess in eating — tight dresses — long speaking — Azote in Assemblies — Worms. — Insolation causes a less affection of the Brain, which sometimes ends in mania

apoplexy is a greater disease of the brain. The smoke of Tobacco has caused Apoplexy - as have straining at stool and parturition - violent emetics - stoppage of some hemorrhages - of running ulcers; let us beware of stopping such in persons predisposed to the disease. Damp, & very warm, or cold weather - excess in eating - missing a periodical fit of the gout - lightning and electricity - malignant fevers - long protracted head-ache - &c. have caused apoplexy. - The brain is affected either by a rupture of the vessels, called Extravasation; which is generally fatal - or by Congestion, called Intravasation; often curable. There is no difference in the symptoms, whether serum or Blood be effused - the same method of cure is required in both cases. - The third fit of apoplexy is not always fatal, as is commonly said - It sometimes attacks a dozen times - and sometimes kills on the first attack - It comes on people who have long necks, as well as short - Young, as well as old. - Premonitory signs - drowsiness - dulness - tinnitus aurium - Snoring, when the patient is unaccustomed to it - terrible dreams - inflation of the head and neck - double vision - giddiness - head-ache - numbness - &c. - In this state, Vsection, and a purge will remove it. - Dr. Cheyne says, occasional venaesection in old people renders the descent down the hill of Life easy - probably by averting Apoplexy - It also preserves the Intellects. Sometimes Whipping will cure it. - The first thing to be done in this disease, is to empty the room of all unnecessary attendants - loosen all ligatures; and even remove shoes and boots if tight - Next, Bloodletting in a proper manner - It should

should generally be prompt - if not convenient to o:
:pen a temporal artery or jugular - open both arms at once.
- But sometimes it is as necessary to abstract blood
as gradually, as to apply stimulus in some other
diseases - Vomits are recommended - but they should
only be used when it is brought on by a full meal,
or worms - When it cannot be excited by emetic drugs,
tickling the fauces with a feather will often induce it.
If the head be hot, as when brought on by drunken:
:ness, apply cold water and ice to it - have the head
shaved, or hair cut - Open the bowels by acrid glysters -
Bleeding should precede these - A pressure on the ca:
:rotids has been found useful - When these fail, try
stimuli; as blisters to the arms, head, and neck - Ca:
:taplasms of Mustard - friction - certain sounds - ele:
:tricity - pumping cold water on a drunken patient
has cured it - &c. &c.

Feby. 15th. Lecture 80th. - Prophylaxis of Apo=
:plexy - Temperance in eating and drinking - but not
abstinence - Avoid heavy suppers - and yet an emp:
:ty stomach is nearly as bad - The quality of food should
be attended to - and adapted to the tone and habits of
the stomach - for the stomach is a vindictive viscus; often
remembering an injury for years - and is very shy of new
acquaintances! - Boiled meat is less stimulating than
roasted. - Drinks must be attended to - Malt liquors are too
heavy and strong for those who do not labor, or use much
exercise - Garlic is good for giddiness in the head - it acts
feebly on the arterial system - Exercise is good, but fa:
:tigue is bad. - All the exciting causes should be avoided;
as violent muscular action - tight ligatures - intense study -
long standing - large assemblies - cold feet - sleeping on the
back, with the head low; or on a soft bed - stopping an
accustomed discharge from the system - the use of

Tobacco should not be laid aside by those accustomed to it – A constant determination of blood to the feet should be kept up by worsted stockings; or if these fail, garlic to the soals – or burgundy pitch plasters – Remember, Gentlemen, says Dr. R. that the whole system is affected by the feet. – In all cephalic diseases, the feet are dry, or cold – an exception to this hardly ever occurs – Cold water to the head has cured drunkenness – as have fear, and anger. – Palsy – sometimes attacks one side, when it is called Hemiplegia – Paraplegia, is a palsy of the lower half of the body. Nothing is more apt to bring on palsy than the fumes, &c. of Lead – It is also caused by half-cured Rheumatism – All ages are subject to it; but it is most common to those turned of 50 – The pulse is often fullest on the diseased side – there is most pain in the well side – It is attended with a flow of tears – Urine excoriates the scrotum – The tongue is half white and half natural. – Remedies – Bloodletting is necessary where the brain is affected – Sometimes it is treated unsuccessfully by too small a bleeding – Purges – blisters to the head and neck – Purges should be given daily and constantly – Aloes were used by Dr. Bond. Vomits – Warm bath; the bath should be below Animal heat, – as at 94° – after depleting remedies, the Cold bath – Issues – salivation – excitement of stimulating passions – terror – certain stimuli applied to the Mouth; as salt, &c. – Electricity – this should not be used until depletion is used – it increases heat – Tying down the sound limbs – thereby determining the sensorial power to the palsied limbs – Vide Darwin. A tight ligature on the trembling limb – This practice is taken from that of a Schoolmaster, who tied a ligature round the arms of his Scholars when they shook so they could not write, after play. – The first sign of recovery is the use of Speech, the limbs, &c. – the stimulating diet & remedies after a full or tense pulse is removed – Vol.

volatile tincture of Guaiacum - steel - bark, &c. — External remedies - gentle friction, increased gradually - Empyreumatic oils - tar - Cayenne pepper, macerated in rum - cold bath - Electricity - lifting weights, increasing gradually their ponderosity. - But, attend. to the pulse! - Pains in the limbs often attend convalescence - they are a good sign. - Insensibility of the limbs is a bad sign. - Prophylaxis - is the same as in Apoplexy - never lying long on one side - nor sitting with one side always to the fire - side Darwin. - Have the pillows so as to keep the head on a level with the body. We should attend to these things, for patients are like little children. — Catalepsy - is not attended with falling down - the patient remains in the position in which the disease found him on the attack. - Use Bloodletting, and afterwards stimuli - pleasing objects - &c. — Coma - is a disposition to sleep longer than natural - sometimes continues for weeks and even months. - The usual remedies are, Bloodletting, purges - cataplasms - &c. It is probable gentler remedies would be better - for it is a fact that whispering will induce talking, when halloing will not - &c. Wakefulness - There is an account of a Spaniard who never slept above 1/4 of an hour in the four & twenty. - This wakefulness occurs in fevers - &c. It is a premonitory symptom of madness - Bark has induced it for 3 days together - affections of the mind - studious men are most subject to wakefulness - It often occurs in the decline of Life, owing to the return of the irritability of Childhood - It is sometimes attended with a throbbing of the Temples - here, bloodletting has been useful - where this is objected to, - cupping - purging - abstinence - going to bed without supper - avoid intense thinking - walk before bed time, to reduce the excitement to the sleeping point - keep the feet warm - keep up a similar train of thinking; as counting 100 backwards - ima

imagine you see a large flock of sheep jumping over a fence, one after another! - waving of wheat-fields - Monotonous sounds - Eolian harp - noise of Water - a dull reader. Small doses of Opium - eating a moderate supper - a small draught of Wine - jumping out of bed, and walking acrss the room a few times - thereby throwing the excitement from the Brain into the eys. - Throwing off the bed-clothes - a candle burning in the room, has induced sleep - Sleep on the side - accustommed sounds - as the ticking of Watches. - Hops placed under the head, or pillow - they are gently stimulating - placing on a millstone, with the head to the circumference - Vide Darwin. - Going to bed at the same hour every night - Avoid new thoughts, or distressing, or affecting news. As solicitude attends it, and helps to keep up wakefulness - We should endeavor to remove it by telling them of cases worse than theirs, removed by practice. - R. I.

Feby 16th. Lecture 81st. - There is one important article in the prophylaxis of Apoplexy - viz. to forbid patients, or persons predisposed to it, to sleep in an arm-chair, or any where, where the head will be bent out of its natural position. - It is hurtful for any person. - Vertigo - occurs often in Gout - is a precursor of the piles sometimes - Sometimes objects appear to turn round - sometimes wave-like. - Many of both sexes are affected with it about puberty - It more frequently terminates in palsy, or Apoplexy - Vertigo is a higher grade of morbid action than headache. - Remedies - small and repeated venesection; which will reduce it to headache - blisters - cold water - purges, &c. - Avoid remote and exciting causes - as tight clothes; tight shoes have induced it - Avoid coffee; or at least use it weak - Garlic is a prophylactic - it was introduced here by a superstitious dreamer; but it is a good nervous Medicine. Head-ache - affects different parts of the head; as the occiput, os frontis, eyes, - the scalp is sometimes sore to the touch.

The feet are generally dry and cold - The face either flushed, or pale and cold - The ears are sometimes affected with noise - A vomiting of bilious matter takes place - It affects young, more than old people - it is generally periodical; sometimes coming on daily, weekly, monthly, half-yearly, and annually - Cullen says 10 women are affected with it to one man - It is a symptom of gout in Women; hence they do not have gout in the feet so often. Causes - A mal-formation of the head; in this case it is hereditary - Fevers of all kinds, particularly Intermittents - All Writers bear testimony that Gout will cause it - Gleet alternates with headache sometimes - Rheumatic headache occurs frequently, - is known by its remissions, - giving way to pain in other parts, as likewise does gout, - is fixed in one part - A sick stomach is supposed to cause headache; but Dr. R. thinks the sick stomach is oftener the effect of disease in the brain, than vice versa - Rancid oils cause headache upon eating them - bile on the stomach - abstinence - Suppression of the menses often causes it in women - Certain odors - riding in the wind - long standing - cold feet - &c. - The hair becoming dry and brittle, &c. indicate an attack of headache - Cure - Emetics - Purges - Laudanum - Pediluvium - drinking warm water - abstinence - Repeated emetics injure the tone of the stomach - Bleed, where the pulse indicates it - Rest - silence - darkness, is of great consequence - Ether - cold applications to the head - Bleeding is seldom necessary in periodical headache - But where there is throbbing, and Apoplexy is threatened, it is proper - Cold air to the head - Sternutatories, cautiously used, or rather exploded, in mild headache, are useful - Fright has removed a paroxysm of it - Ether applied to the forehead on lint, is good sometimes - Where the pulse is weak, Opium, - Wine, - Laudanum has been taken to the extent of 300 drops - Warm applications to the head - The steam of vinegar poured on hot bricks - eating has cured it, by the exercise of mastication - A blister behind the ears, or to the head - Radical Remedies - Bark - sleeping without a night-cap - Also with a Woolen night-cap -

wearing a wig - returning to old habits; as the use of Tobacco &c. Pepper has relieved it - occasional venesection - cupping has been found useful - A few glasses of good old Madeira wine have removed a paroxysm of Headache.

Feby 17th. Lecture 82nd. — Headache continued. It is caused sometimes by condylomata, or hemorrhoidal tumors; which cause straining, and determine to the head, - producing distressing chronic headache. This has been cured by a cap with garlic quilted in it, and worn - Salivation fails oftener in this disease than any other; but it should be tried - drawing some old decayed teeth has cured it - A change from country to city life, and vice versa has cured it. — Epilepsy - Dr. R. knows but little about its nature; but debility is certainly its predisposing cause, - as it occurs most frequently in the Night - It affects from childhood to 50 years of age - Occurs periodically in 24 hours, or six months. Parturition has taken place during a fit, without the consciousness of the patient. It has grades of violence, as slight fainting fits, tremors, &c. up to extreme violence - People sometimes live to great age under it, and without impairing the mental faculties; - but it often causes fatuity - The blood is sometimes forced through the skin in the fits; and dissections have proved that the blood is confined chiefly to the Arteries - Attend to this, Gentlemen, says Dr. R. - May it not, asks he, be a deep seated disease of the Arterial system? A tornado, compared with the steady gales of common fever? - Remote causes - Excess in venery - onanism - fights - shipwrecks - sleeping on wet sails - Azotic airs - violent laughter - worms - &c. It is sometimes congenial - A pregnant Lady brought forth a child subject to Epilepsy, in consequence of seeing a person in the fits, during her pregnancy - Decayed teeth have cause

caused it.. Local causes - lesions of the brain - mal-conformation.. Associations of Ideas.. Certain changes & accidents have cured Epilepsy; as puberty - pregnancy - a camp life - age - violent burns - &c. Remedies are divided into 3 classes. Those which are proper in the forming stage - in the paroxysm - & during the Intervals.. The premonitory signs, are a bitter taste in the mouth - false vision - tense pulse - slow pulse - headache - inflammation of the tunica adnata - horror of death - Aura Epileptica - &c. - Preventatives - V.section, if the pulse be tense - Emetics - sparing use of animal food - purges, as sulphur, &c. - A dose of opium, has often prevented it - A cup of rue-juice - the smell of sulphur - tobacco, applied to the stomach - ligatures, to the extremeties to prevent the aura from proceeding - fear - Cullen's case - running, or suddenly rising out of bed has prevented - keeping a bit of wood in the mouth to keep the jaws apart.. The Remedies in the fit are few - venesection lessens the violence of the fit - In the highest grade, depleting remedies, to reduce the system to a proper state - 1st. Bloodletting - The blood has a size appearance - A milk diet, is very good - to be effectual, it must reduce the system very low - the quantity is a pint for breakfast - a quart for dinner, and a pint for supper; without any bread, or other substance with it.. The Brahmins live below the disease; viz. on vegetable diet intirely - Album Graecum - Cranium humanum - These act through the medium of the mind, by exciting disgust, nausea, & loathing - thereby moderating arterial action? - A salivation; kept up for a month, or six weeks - the discharge lessens excitement by the abstinence connected with it - It is difficult to make the mercury act - bloodletting should precede its exhibition.. In the Intervals, Remedies the reverse of these should be used - viz. tonics - bark - opium, given until it excites delirium - Stramonium, until it induces giddiness; upon the same principle as opium - Misletoe - Metallic tonics; as blue & green vitriol - zinc, in flowers, or in the form of white vitriol - Saccharum saturni - Arsenic and magistery of bismuth - Nitrate of silver; one fourth of a grain twice a-day, increased gradually.. If it be true that it is a deep-seated disease,

Att: + Attorney.—

of great violence, the remedies must be powerful - Experience shows that they must be powerful. - Drunkards are less affected by bark and other stimuli, than others. - A cordial diet should be used; and exercise, - or rather Labor. - What if we were to excite a higher fever? We have seen it cured by a high fever - fever has cured palsy, &c. - Setons, and Issues, in the arms & legs have been useful - but in the legs they may be best; on account of the aura - actual cautery on the sagittal and coronal sutures - Clysters of the infusion of Tobacco - Change to a temperate & uniform climate - change of residence - Uniformity of nature & quantity in diet. - After venasection, salivation, & milk diet; the other remedies should be properly applied. - Exciting causes should be avoided; as ardent Spirits, &c. Worms should be expelled - decayed teeth should be drawn - It has been removed by removing a ragged wart. - Think of these things, Gentlemen, says Dr. R. in your retirement, and on your beds. The man who shall discover a radical remedy for Epilepsy, will deserve better of the humanity, the World, than the discoverer of the Georgium Sidus, or the Hero of Lodi & Marengo! -

Feby. 18th. Lecture 83rd. - Hysteria - Dr. R. knows of no difference in the morbid action in Hysteria & gout - It is not the gout of broadcloth; but of muslin, ~~muff~~, and ~~tippet~~. - The symptoms are a rumbling in the bowels - clavis Hysterica - laughing - crying - &c. The mind is capricious - is constant only in Inconstancy. - It is frequently the effect of gout. - A disposition to laugh or cry at trifles, prevails - Hysteria affects Women from puberty to the cessation of the Menses - It does not affect delicate women alone, but often the most masculine - It is distinguished from Hypochondriasis by the affections of the nervous system - mobility - Globus Hysterius and inconstancy - It often precedes Hypochondriasis; and the latter often goes off by the same door it entered; viz. by Hysteria - they often alternate - Diseases of the nervous system often commence with Hysteria - Remote and Exciting causes - Plethora - use of strong tea - Passions; as anger, fright, &c

Certain smells. It has its seat in the nerves and ali-
mentary canal. The proximate cause is morbid ex-
citement. The remedies in a paroxysm, are stimu-
lating applications - burnt feathers, &c. So great is the re-
trograde action and spasmodic affection of the bowels,
that the sphincter ani has been known to snap off
a clyster-pipe, and draw it several inches up the rec-
tum! - Stimulating gums should be used - tight bandages
Zinc - sacch. saturn. myrrh, &c. Cold bath - stimula-
ting plasters to the abdomen - garlic - exercise on
horseback - in a garden - in a family; the larger the
better; for few good housewives have the disease - the
steady excitement of some passion; as fear, grief, &c.
There is a difference between stimulating and nutritious
diet. A cold climate - and matrimony should be
advised to widows and young girls; which often cures
if followed by child-bearing. - **Asthma** - comes on
with difficulty of breathing - little expectoration - &c. Pre-
disposing causes - mal-formation of the breast, &c. It
differs from Dyspnea by not being constant - It attacks
during an erect posture of the body. Certain winds, as
the East-wind, and states of the weather have produced
it - Certain particles of matter in the Lungs; as dust,
metallic fumes, smoke of Tobacco - certain odors. Ipecac
uanha has caused it; vide Med. Com. - Carbonic Acid gas -
stoppage of certain evacuations. In all chronic diseases,
the meals should be at regular hours; but more especi-
ally in Asthma. Imagination has caused it - tumors
in the trachea - Matters received in the Trachea; as a
Water-melon seed. Situations on the sea shore. The seat
of this disease is in the bronchial vessels - spasm -
The heat ~~of the body~~ of the body is below natural
in this disease. Inspiration becomes rapid & convul-
sive - lungs emit a rattling noise. The patients are
unable to lie down in this disease - they sit with
the legs horizontal, and head hanging down forward -

Some have 36 fits annually. The Lungs discover great marks of disorder in old cases, on dissection; but recent cases show none at all. This shews it to be a disease of great morbid action in the form of spasm. It has been divided into spasmodic and pituitous. Sometimes both dry and humid exist in the same person. In young persons it is spasmodic - in old ones, humid. - Premonitory Signs - Languor, difficulty of breathing at night, &c. - These may be prevented by emetics, &c. The Cure is divided into two kinds - 1st. during the paroxysm; and 2nd. to prevent its return. Where there is much oppression, use venaesection. The Pulse will indicate no inflammation; but it will be full. Bloodletting shortens the paroxysm. Ipecacuanha, or Tart. Emetic is better than squills; because they act more speedily. Use purges, where the patient is costive, or refuses emetics. - After the morbid action in the lungs is reduced, give Laudanum in small, repeated doses; with, or without Asafetida - Use pediluvium, Inhalation of steam - oxygene gas. Blisters to the wrists are very good; there is a sympathy between the lungs and skin - Strong Coffee - Smoking Tobacco - Cold, and Warm air, according to the different states of the system. Change of air; even of another room, or story; as in the cellar. City air is most agreeable to Asthmatics; because it is less subject to great changes. - Remedies during the Intervals - Asthma is a curable disease - It has been cured by pregnancy; and by the change induced by the cessation of the menses - by new disease - by change of climate &c. Have regard to the nature of the disease. In dry Asthma go to a warm climate. A sponge filled with water, and held to the mouth, preserves travellers in dry, sandy country. A bason of Water should be set on the stove. - But in pituitous Asthma, a dry air is best. Avoid plethora by low diet, & occasional venaesectio

venesection. Avoid all exciting causes - Use cold bath - hard labor; or at least, exercise, as rowing, shuttlecock, coits, &c, - and long journies - Sleep on a matress. No exercise is equal to rowing in this disease, for an hour or two; - it agitates the lungs gently. Leaving off old habits brings on Asthma; and a recurrence to them cures it; as taking snuff. Garlic and oil of amber taken as medicines - oxides of Iron. When asthma is owing to tumors in the Trachea, puncture it - vide Med. Transact. - In this disease, there is great connection between the stomach and lungs. Change of occupation should be tried. - See Morgagni on the Tumors in the Trachea.

Feby. 19th. Lecture 84th. - Dyspnœa - an enlarged Liver has caused it - Pregnancy - excessive fatness - tumors in the Trachea; in this case they should be punctured. - In Pregnancy, the Uterus should be depressed by bandages - When owing to fatness, temperance & Labor. - **Angina pectoris** - is distinguished from Hydrothorax by being less constant, - and not being preceded by disease. It affects people on climbing stairs - is attended with pain in the arm. It occurs in Hysteria, Hypochondriasis, &c. Dissections have shown, as causes of this disease, a quantity of fat in the Mediastinum - Ossification of the heart and arteries - &c. These have been called its causes; but Dr. R. believes them to be Effects; - because they do not always attend - it kills suddenly, &c. Patients sometimes expire in extreme excitement of the parts affected. Port wine is the worst drink in the world for gouty patients. Floating gout terminates in Angina pectoris. The seat of the disease appears to be in the heart; - the effect of previous debility, and subsequent Inflammation. When the pulse is full, - Bloodletting. The blood has been found dissolved - this proves inflammation. In the early stage, Dr. R. cured it by two bleedings. But when the pulse is low, the steel tonics - vitriol. album - Issues in the thighs & arms have been found very good - Exercise. It sometimes ends in Hydrothorax. **Tumors** - are a tendency to palsy; owing to

to the use of strong drink - excessive use of snuff; which has been cured by leaving off snuffing - working in lead causes it - frights. It affects the limbs, organs of speech, &c. occurs mostly in the decline of life. - Treatment - avoiding exciting causes. Remember the story of the Schoolmaster, who cured tremors in the arms of his scholars by ligature. Tremors often cease during sleep. - Convulsions - are often owing to plethora; as in pregnant and parturient women. In this case, copious bleeding causes them to yield universally - 10 ounces will not do - more must be drawn. Even children, who are most subject to them, require it. When it is owing to fright - tonics; especially Laudanum. Chorea Sancti Viti - consists in ludicrous motions of the limbs and side - is often owing to worms in children. When it is owing to plethora - bloodletting. After depletion, tonics; as steel - cold bath - exercise - & if these fail, a salivation. - Convulsion of the Diaphragm, or hiccough occurs after laughter - drinking too much - &c. When it occurs in fevers, remedies to the state of the system. &c: nasection - Laudanum - 9 swallows of water - fright, is a common cure among school-boys. - Cramps - often occur in pregnant women - affect the abdominal muscles, sometimes - this is a symptom of Cholera Morbus. In pregnant women, cramps require attention - bloodletting. When it occurs in the lower extremeties, press the feet against the foot of the bed - walk about - apply a ligature above the knees - Rolls of sulphur squeezed in the hand, relieves merely mechanically. &c. Colic - is spoken of here merely as a local disease of the bowels. It is induced by eating certain aliments - by the disease of neighboring viscera - cold feet - passions of mind. It is known, when symptomatic, by the pulse, &c. vomiting of bile. Predisposing cause, debility - proximate cause, spasm, either tonic, or clonic. - It has been prevented by a dose of Laudanum - or riding on horseback. —

Feby 24th. Lecture 85th. - Colic - is an Intestinal state of fever - is seated in the muscular fibres of the Intestines - Is attended sometimes with vomiting - tenesmus

twisting about the navel - purging - but costiveness mostly attends it. It is caused by unripe fruits - swallowing cherry-stones has caused it! pork and veal - low wine in which lead has been infused; this causes colica pictonum - Sour cyder - It is sometimes caused by diseases of contiguous parts; as the Liver - it is then known by the patient not being able to lay on any side but the right. ruptures cause colic - cold feet - tight shoes. The premonitory signs are dry, cold feet - here a purge, and pediluvium will cure. Remedies for a paroxysm - first, bloodletting - bleed to prevent fever and pain - Disease here often transcends inflammation; for dissection often shews no marks of disease. Bloodletting should be copious, in order that opium may be given. Take notice, gentlemen, says Dr. R. that I mention opium before purgatives. The seeds of burdock made into a tea, and given as soon as the pain is removed; and not before. Use gentle laxatives; as Senna - castor oil - opening glysters - large glysters of water to distend the bowels, when there is danger of Intus-susceptio - glysters of cold water. Crude quicksilver does not do much good. Dr. Cadwallader never gave purgatives until the 4th. or 5th. day; and then very lenient ones - he treated it successfully; but venaesection prevents this tedious practice; or renders it less necessary - Warm bath should never be omitted - Blisters to the thighs, wrists, and ankles - are better than to the bowels - especially to the thighs. Relaxing and stimulating applications externally - throwing cold water all over the patients belly, this induces reaction - and determines to the skin. Salivation - As soon as the mouth gets sore, the bowels relax. Colic generally gives way as soon as the patient can pass crepitus! When the griping gets below the navel the prognosis is favorable - The most certain sign of recovery is a diarrhoea. - Remedies to prevent the paroxysms - avoid exciting causes. An excellent quack remedy is salts and cream of Tartar. The smell of paint has re-excited the disease; and should be avoided. Oily diet has prevented it. Warm diffs is good to prevent it. Avoid cold feet, & wetness. It has disappeared in Philadelphia very much; - the causes are, a more frequent use of flannel next to the skin in both sexes - the disease of punch; it was once much

drank - Abolition of heavy suppers. The 2 former have nearly driven it from the West Indies? Great cyder-drinkers are apt to have Rheumatism when they dress warm, and colic when they dress thin. Colic has caused palsy of the limbs. Pickles should be avoided where there is a predisposition. Use regular exercise, chiefly on horseback; it is a good prophylactic. — Chronic Diarrhoea - attended with frequent stools with pain, without fever - composed of mucus. It is always preceded by general, or local debility; and is excited by local irritants - cold feet &c. — Boerhaave, in his Legacy, recommends to keep the feet warm, and head cool. A person disposed to it should avoid new acquaintances in his stomach. Drastic purges have caused it - absorption of pus - discharge of pus from the Liver. It is caused by Bile in warm Countries. It is called downward consumption in Virginia. Pregnant women are often affected with it - dysentery has terminated in it. It has sometimes continued 15 or 20 years, without injury; but much oftener proves fatal in a few years. Remedies - venesection according to the pulse - Emetics - Purgatives of toasted Rhubarb - Blisters - pukes should be repeated 2 or 3 times a week. Opiates, 2 or 3 times a day; and such a dose at night as will prevent the patient from rising in the night; which is injurious. Ipecacuanha - dover's powder - astringents; as the gall prescription, mentioned formerly. Diet suited to the system - if the stools are dark, vegetable food; as boiled rice, barly, &c. - but if the stools are green, animal food, and alkalescent remedies. If acids affect the bowels, demulcents - mallows tea - flax seed tea - peppermint tea - blisters - the skin and bowels act like antagonist muscles on each other - Think of this, says Dr. R. again and again. Warm bath - vapor bath - cold bath - glysters of starch and Laudanum - A change of residence water, and air. A privy has caused it; and hence the propriety of removal. A sea voyage has cured it - A pleurisy had cured it - cataplasms of mustard - Warm dress; especially to the bowels. — Costiveness - this term is relative - some require 3 stools in a day - others go many days, and even weeks without one - but most people require one a day. A change from full to low

low diet, and vice versa, has caused it - as has a change from an active to a sedentary life. A Lady, died, a martyr to Delicacy, because the privy was in sight of a room where gentlemen sat - they should be built in private places. Sailing has induced it - Riding on horseback has produced it -. Some become costive from neglecting to go to stool when urged - Condylomata cause it -. To avoid it, we should go regularly to the privy - live on laxative food - Rhubarb chewed; or swallowed, in doses of 10 or 12 grains. Never give Aloes, nor Butter nut pills, in chronic costiveness; they are good in acute diseases; but bad here. —

Hooping-Cough - We see whooping without cough - and cough without whooping - Also cough with convulsions. It is often attended with fever, which is generally of the catarrhal kind. It is not often fatal in Philadelphia. - Remedies - Venaesection, if great morbid action be present, according to the state of the pulse; especially if attended with hemorrhage from the lungs. Emetics are epeulant; often repeated - Purges - Cold air, if it be dry, is very good - fear; it acts as a sedative. After morbid action is subdued, tonics; as steel - bark Asafoetida - Garlic - Laudanum, in small & repeated doses - blisters to the pit of the stomach - Pitch plasters to the back - change of residence - &c. &c. The stupid part of creation recommend the prescriptions of a Woman who has not changed her name in marriage! And of a Man who rides a Spied horse!! Stultitia!!

Feby. 22nd. Lecture 86th. Tetanus - consists in a rigid contraction of the muscles. When the body is bent forward, it is called Emprosthotonos - When backward, it is called Opisthotonos - When sideways, Pleurosthotonos, or Tetanus Lateralis - When confined to the muscles of the jaws, it is called Trismus. Remote causes - Whatever induces indirect or direct debility. Exciting causes - Flapping on the damp ground after a great heat - A draught of cold water when very hot - Sleeping without a cap immediately after shaving the head - fear and terror

deep grief - Worms, and other acrid matters in the bowels - certain vegetable poisons; as stammonium, dogwort, &c. It occurs in some fevers - from the bite of rabid animals - but most commonly from wounds - as gun-shot wounds - broken limbs - nails, splints, &c. run into the body - frosty limbs - cutting the nails too close - cutting corns too close - tight shoes, abrading the skin of the toes - stumping the toes. It has occurred from bleeding; even without wounding a tendon, &c. also from the sting of a wasp on the glans penis - grating sounds - Amputation of the limbs - walking too soon after fractures - &c. In some cases the tetanus appears next day; and in some not for six weeks. Sometimes the wound heals before tetanus comes on. The less the wound, the more violent the tetanus; because there is no Inflammation in the part. Trismus Nascentium - is caused by the smoke of cabins - occurs most frequently among the negroes of the West-Indies - It is caused by retained Meconium - by cutting the navel-string with dull scissors. Why does it attack the jaw only, when the disease is in the bowels and other remote parts? because the nervous system and muscular are an unit; and as the muscles of the jaws are in the most debilitated state, they invite the morbid action, - for, Atonia gignit Spasmus. - Premonitory signs - stiffness of the neck - pain in the neck - leaning forward to ease a pain in the back - costiveness - pain in the external region of the stomach - &c. Remedies in this state - irritate the part; & excite Inflammation, by corrosive sublimate - Spanish flies - Spt. Terebinth. &c. - Strong emetics. - Cure, when the disease is formed - Stimuli were once exclusively used; as opium, wine, &c. Debility only exists in the forming stage. The proximate cause is morbid excitement. Not much dependance is to be placed on the Lancet; for the bloodvessels do not appear to be the seat of disease - they are insulated? - perhaps a large bleeding might do good - but it is best to excite disease in the bloodvessels by irritation. John Hunter said

said if he had tetanus, he would fly to Nova Zembla, or throw himself into an Ice-house - but we can seldom use cold effectually, because of the fears of the patient. Perhaps wrapping him in a sheet wet with cold water might serve instead. Opium - 10 or 12 grains may be given every day - When opium ceases to produce effect, Oil of Ambet should be tried - it acts on the muscles - the dose, 6 or 8 drops every two hours. Wine, in quarts, and even gallons. Ardent spirits. Bark, when others lose effect, this was used for the patient with frost-bitten feet - he recovered slowly - Huphan's Tincture, with Mint water. Cold bath; or affusion of cold water - this was used successfully in the case brought on by abrasion of the toe, by tight shoes in a Lady - the fainted under it, and was with difficulty revived. The cold bath proved fatal in every case in the East Indies - the reason is obvious, - In that debilitating climate, the patients are too much enfeebled for its use; - hence the necessity of studying the practice of our own country; or where we practice. Salivation has been useful; but it is difficult to excite. Blisters. Inflaming the limbs by cataplasms of Mustard. Large blisters made by hot water. - Where the patient cannot swallow, glysters of soups, &c. with Laudanum. - Where the Tetanus is owing to cutting the navel string with dull scissars, apply spirit of Turpentine to the cord. A gentle dose of Rhubarb given to children has prevented it; - possibly by discharging meconium. Giving large doses of the Tincture of Cantharides, and Corrosive sublimate to irritate, and perhaps induce gentle inflammation in the bowels, have been found useful.

Feby. 23rd. Lecture 87th. — Dyspepsia - is attended with acid eructations - heart-burn - costiveness. It is produced by causes which act directly on the stomach; as strong Coffee & Tea, Ardent spirits, large draughts of cold water at night, or in the morning - swallowing Aliments without proper Mastication - Use of Tobacco - excessive use of Sugar, &c. And also by causes which act indirectly through the whole body; as intense study, Leaving forever

Erasmus

Excess in venery - gall stones - pregnancy - &c. predisposing cause - local debility. Proximate cause - morbid action in the stomach; invited there by debility. The stomach is the index of the nervous system. Its different states affect the temper - virtues, and passions. Petitions should be presented after meals. - The most frequent causes in this country, are bad aliment - intemperate use of ardent spirits; which causes fetid breath, dry skin, crop-sickness, &c. &c. This is more frequent in this country than any where else. The palliative remedies are magnesia, alkali, common salt, common salt & lime juice in water - unskimmed milk - a few peppercorns after dinner - opium, eases spasms - a blister to the pit of the stomach - a bladder of water (warm!) to the stomach moderate compression on the stomach by a tight waist-coat - friction on the stomach - &c. - Radical Remedies. - first, Emetics of Ipecacuanha, and then tonics; as vegetable bitters - acrid vegetables; as mustard, horseradish, &c. Bark is advised by Cullen; but Dr. R. has not found it as good as other bitters - Chalybeates - these last are best. Solid food - old fowls are better than young - salted meat is often better than fresh - toasted cheese should be tried - liquid food should not be tasted - the bread should be toasted - drink should not be taken during meals, nor just before - nor sometime after. take food in small quantities - recollect the method of treating horses. One of those aliments should be tried at once. Where animal food is rejected, or of no avail, try vegetable; as roasted turnips, roasted apples, &c. - Butter and fat meats have been condemned; but Dr. R. has not found them so hurtful; - where they are well received by the stomach they are not bad. The stomach should never be full nor empty; eat 6 meals a day, and even eat in the night. Use food instead of Tobacco. Drink water

water with bitter herbs macerated in it - ride on horse-back - use gentle exercise - avoid exciting causes; and above all, cold feet. Salivation is the dernier resort, and is successful. Where there is great pain, we should bleed. - Sometimes it terminates in schirrus; Ardent spirits are the most frequent cause, here; and requires a specific remedy. Abstain from its presence - The propensity for drink has been cured by infusing a snake, or tartar emetic in the spirit - & other disagreeable associations - Exciting a counter passion; - A man, whose spouse was rather fond of the drops, placed a barrel of rum in his cellar in order that she might drink herself to death; - She suspected the scheme, & became sober through spite! Divert the attention from drinking company. A sense of shame has cured it; - A gentleman who generally came home tipsey, happened to get to his house quite sober; - One of his children, seeing he was not under the influence of liquor, ran to its mother, and exclaimed in a transport of joy, "Oh! Mamma, daddy is come home; and he is not drunk!" he was so affected by it, that he was never after intoxicated. A tippling man took a goat, that used to follow him, into a tavern and gave it some rum; the potation agreed so illy with the stomach of the "bearded sage" that when his master was going in there next day, he refused to follow him! The man was so struck with the good sense of the goat, that he reformed his mode of living in consequence. Another man, who was rather top-heavy when he started home, was unluckily deposited by the way in the street, between two cellar doors, from whence he could not extricate himself; - As he lay, or rather sat, musing on his condition, a dog who was trotting along in the dark, turned in where the man sat - What did he stop for? "Vien que pour piser!" He gently made water in the man's face, and jogged on!

the dog, forsooth, took him for a post, lifted up one leg, and paid the usual canine tribute! Our gentleman was overwhelmed with shame; and, as soon as he was able, left his situation with a resolution, never to be again disobliged in like manner by any bitch's offspring! Gradual abstinence has been recommended - but it must be sudden and total - Oaths have prevented it. The most effectual remedy, has been Religion; as has been proved by the Methodists.

Feby. 24th. Lecture 88th. — Diseases of the Mind — Dr. R. enters on this subject, with diffidence and awe. — The faculties of the Mind are, Understanding, Memory, Imagination, Passions, Will, and 3 moral faculties. The operations of the Mind are perception, Association, Judgement, & volition, Reason. The faculties of the Mind have been happily called Internal Senses. The external senses are the avenues to them. Between impression and perception, sensation takes place. No action can take place in the mind without motion in the brain; - every Idea has a specific motion. In health, those motions are regular - in disease, irregular. — The first disease is Hypochondriasis - the causes are the same as of Dyspepsia; with the addition of fluor albus, &c. It is sometimes attended with diarrhoea, and sometimes with venereal desire. It differs from Dyspepsia in being attended with fever spasmodic affections. It is much more rare than dyspepsia - occurs in the decline of life - It differs from Hysteria by not being attended with globus Hysterieus; which is because the debility is below that action. There is a difference between Hypochondriasis and Hysteria; the same as between Typhus and Typhoid. Hysteria generally precedes Hypochondriasis; being a more powerful action. Remedies are of 2 kinds, one acts directly on the body; as Warm bath, warm drinks

drinks. Cold drinks are always bad. The ill reception of cold drinks is a premonitory sign. Opium is excellent - Ardent spirits will relieve; but they do more harm than the disease - Wine is better. Music - grave, or plaintive tones first, and then become more cheerful. Salivation - Exercise - Cutaneous eruptions should be recepited, if repelled. After excitement is somewhat restored - cold bath. Bloodletting is seldom proper; but when the pulse is full, and pain is present, it is good. When dyspepsia attends, we should pay attention to it; as with magnesia, &c. as mentioned in in last Lecture. Steel is too weak a stimulus. 2ndly. such remedies as act through the medium of the mind on body. The patients often believe they have all the diseases in nosology. They have false notions of physicians, and of medicines. They fancy themselves transformed into various animals, &c. are in great despair - Dr. Johnson calls it, the greatest exacerbation of human misery. They sometimes desire to die. How great must be their anguish! Let this awaken our sympathy. The first remedy is for the physician to accommodate himself to the mind of his patient; be always serious; and attentive to his story - give into his opinions. They like to believe themselves worse than they are. Amusements are proper; but business is to be preferred; Books, politics, &c. The poor Tories, when they found the Independence of our Country likely to be established, became quite disconsolate and hypod: - Some called their disease, Revolutiana - In Carolina it was called Tory-rot! - Man was made to be active. A sudden fit of anger has cured it: Touching the active passions has often done good. Purling brooks, and shady groves never cure Hypochondriasis - If it be owing to debt, no doubt it was incurred honestly; for rogues are seldom hyp'd from that cause! Advise the benefit of the bankrupt law. When they entertain gloomy ideas, we should endeavor to dispel them by consoling discourses. When it is owing to Love, advise travelling, &c. - Produce new associations of ideas; by changing the patient's dress, company, &c. shave him, &c. Advise Matrimony; - few married people are troubled with

with it. Long journies to warm climates; take a new com=
=panion - ride a strange horse, &c. The change destroys his habit
of complaining. Schirri have been converted into Cancers by
constant thinking. When Idle, be not solitary - when soli=
=tary, be not idle. Haller had no cure for his religious
melancholy, but constant reading and writing - commit
passages to memory - read the scriptures. When the patient
is disposed to suicide, keep away fatal instruments; or
sometimes indulge them a little in drowning, or burning. &c. -

Feby. 25th. Lecture 29th. - Hypochondriasis - is
a kind of connecting link between diseases of the body
and mind. Dr. R. was early taught to beleive that Mania
was exclusively a disease of the mind. Cullen places it in
the nervous system. Dr. R. does not beleive either of those
doctrines now. Its proximate cause is still placed by phy=
=sicians in the nervous system; but Dr. R. believes it to
be seated in the Arterial system. Premonitory signs -
fullness, and pain in the head - in the forehead - fulness,
tension, and quickness in the pulse - Wakefulness - A
white tongue. Blood drawn in Mania is always sizy -
Serum yellow; and sometimes like Lotura carnia. Dr.
R. infers it to be a disease of the bloodvessels, and in the
brain, because it is caused by the causes which pro=
=duce Apoplexy; and occurs at that time of Life when
most liable to be affected, &c. It also alternates with dis=
=eases which are acknowledged to be diseases of the blood=
=vessels; as puerperal fever, consumption, rheumatism &c.
Dr. R. calls it morbid action, because it may be so
great as to be above the grade of Inflammation. -
Mania has assumed a Tertian form. All the dif=
=ferent states of pulse occur in mania. It terminates
in sweats like fevers. It is sometimes epidemic. Schir=
=ri, pus, water, &c. have been found in the brain up=
=on dissecting maniacs - these are the effects of In=
=flam=

Inflammation. Schirrus are caused in cases of chronic Mania. The skull has been rendered thicker, & sometimes thinner, by Mania. These effects are produced by fever on the bones in other parts of the body. From all these facts it appears that the proximate cause of Mania is morbid action of the bloodvessels in the brain; or chronic Phrenitis:- It is to Phrenitis what Consumption is to Pneumony. Dr. R. concludes that there cannot be an alienation of mind, without fever. It was formerly supposed that Apyrexia was a characteristic of Mania; but this is not the fact.- Mania produces first a deprivation of judgment in the patient respecting himself; called Hypochondriasis. secondly, a deprivation of judgment concerning certain objects; called Melancholy- And when the judgment is completely destroyed, it is called Mania Universalis:- They think in this state, that they are surrounded by Devils, &c.- They mistake their Friends, &c. this is called False Perception. Ideas are Multiplied when the nerves are diseased. Perception is sometimes just, but association is incorrect. Sometimes the Perception is correct, but the Inferences, or Reasoning is wrong. Sometimes the Perceptions are wrong, and yet the Inferences would be right if the Premises had been correct; as when they suppose themselves to be glass, they avoid breaking their bodies, &c. There is sometimes a Paralysis of the Will. Sometimes a disease of that part of the brain which is the seat of Moral perception, (or Faculty?) takes place. Sometimes all the faculties are deranged; producing what is called Fatuity.- Religion seldom causes Madness in France; because of the Romish Religion, and Infidelity. Catholics are seldom deranged; because they can relieve their minds by confession.- Mania is most common during revolutions:- It was very common in Paris at the

that time. In this country it was formerly rare; except a few cases from drunkenness. It is more common now; owing probably to the increased rapacity for money. Dr. R. has observed most cases of Mania in persons of weak minds & strong passions. It occurs most frequently in persons of sanguineous and nervous temperaments. Remote and exciting causes:- First, those which act on the body, - as Mal-formation of the head - lesions of the brain, from wounds in the head, sometimes mania is 20 years after the accident before it comes on. certain diseases of the whole body; as fever, &c. cause Mania - Inanition - sudden abstraction of the stimulus of distention; as after parturition - excess in Venery - certain stimuli, which act on the brain; as Ardent Spirits - fumes of Lead - small shot in the flesh have caused it - transfusion of blood from one person to another, has caused it. - Causes which act immediately on the Mind - Intense study - sudden transitions from one kind of study to another - Undue and irregular exercise of the passions; as joy, anger, terror, love, desire of riches - distress - fear - false delicacy - severity from schoolmasters &c. - Violent exercise of the moral faculties - a Conscience burthened with real, or imaginary crimes - as Melancholy leads to superstition, so superstition often leads to Melancholy. Joy from supposed revelations from Heaven has caused Mania!

Feby. 26th. Lecture 90th. — Mania - continued - Mania is oftener hereditary from the Mother than the Father; but it follows both often. The greater the predisposition, the lighter cause will produce it. Young people under puberty are seldom affected with mania - The predominance of Irritability over Sensibility accounts for this. Madness

affects Women more than men; they being more exposed to its exciting and remote causes; as Menstruation, childbearing, and suckling. It seldom occurs in the decline of Life. General Montgomery, whose family were disposed to Mania, had 3 wishes which were all granted; viz. that he might die young, suddenly, and childless. Maniacs are seldom long lived - 85 & 87 years are the highest ages known; and these were of long lived families. The changes of the moon influence this disease; hence those affected with it are called Lunatics - We should attend to this. The highest degree of Mania affects all the Mental faculties - the lowest degree only affects the Understanding; called by Cullen, Melancholy; but Dr. R. calls it the same disease - a degree above Hypochondriasis. Mania often affects the Mind in one point, or one subject; as in Politics, Metaphysics, searching perpetual Motion, &c. but particularly on Religion; as we see in the cases of Swedenbourg, Jemima Wilkinson, &c. who were quite rational on other subjects. Don Quixote is a picture of one who was rational on every subject but knight-errantry. - This perversion comes on sometimes with a derangement of all the other faculties, but it soon goes off all except this one. Derangement of all the Faculties - or General Madness - is divided into Tonic Mania, of strong morbid action, - and Atonic mania, of weak morbid action. - premonitory signs of Tonic mania - Watchfulness, costiveness, headache, irascibility, imprudent actions, great appetite, &c. - Signs of Atonic mania - weak and quick pulse, great taciturnity, the patient is steady & indefatigable in all his pursuits, costive, &c. Much similar to Tonic, except consisting in less action; - the

action

action is Typhus and Typhoid. Intense study often brings on mania. M'Lauin read novels to divert his mind amidst his studies. Exercise of body should be combined. One bleeding in this state will avert it. In the predisposition to atonic mania, the patient should be taken into company, &c. In tonic madness, the patient is furious, noisy, has staring eyes, is costive, pulse is synocha, indeed every state of pulse occurs in this disease which we find in malignant fever. The patients are very acute in observation, recollect lost languages, long absent friends, &c. They talk profanely, act rudely, &c. Sometimes their conversation is irregular, and their conduct regular; and vice versa. This is liable to deceive friends and physicians. Dr. R. has been deceived in this way. Conduct and conversation appear to be owing to distinct states, or actions of the brain. When loose, the patients fly society, ramble into grave-yards, and tear up the dead, tear their clothes and flesh, &c. Pain of body relieves this pain of mind. Vide Boswell's Life of Johnson. It is to this cause are owing their stamping, wounding themselves, chewing tobacco, &c. These symptoms are varied by the causes. Vide Shakespeare's King Lear, for the description of a madman. Symptoms of atonic mania and manalgia, or fatuity. Nt. atonic mania. It is attended with down-cast eyes, insensibility to cold. The patients stand like monuments. Pain has relieved this state. They have a dry, cold skin, first pale, and afterwards pale and livid, slow respiration, discharge of saliva. The matter of perspiration has a peculiar and specific smell. In this state, when loose, they seek rather than shun society, are inoffensive, &c. Vide Merry's pains of memory, for a description of the worst state of mania, when the memory is complete. The moral faculties are sometimes unimpaired. Mania often terminates in

in Epilepsy, &c. - though it sometimes lasts 20 or 30 years. Sometimes tonic and atonic mania are combined; there is great morbid action in the brain, without much in the System. - Remedies for Tonic Madness - first, Bloodletting, copious - copious - to the state of the pulse. It is indicated by the structure of the brain - by the appetite being unimpaired - by the durable injury done the brain by hollowing, exercise, &c. - by there being no outlet from the brain. Accidental hemorrhages to great amount, have cured it. It is indicated by the appearance of the blood - it is often above Inflammatory action. It is indicated also by its success in curing the disease. Bloodletting is a Mad-shirt for Maniacs. - 20 or 30 ounces should be drawn in tonic mania; but do not look back on the quantity drawn - remember there is no outlet - no back door to the brain. When the brain is diseased, we must bleed more than we would in any other disease. Remember the words of John Hunter - he says the pulse does not always indicate the action in the Brain. - The Lancet is worthy to procure the forgiveness of the Metal, in all the shapes of Warlike Weapons in which it has appeared.

Feby. 28th. Lecture 91st. - Mania - continued - Sometimes maniacs are too irritable to be visited for several days - let the excitement wear down of itself - low diet - bloodletting - & purging, are very good. Perhaps making a maniac stand for 24 hours at once, might tire him down - this is the Tonic state of madness we are speaking of. Blisters in the latter stage of the disease are very good - but not early, while the excitement is excessive. Cold immersion - cold vinegar, or cold snow, to the head - or pounded ice, or cold clay, to the head. When the

Feet are cold, as they often are, with great heat in the head,- Cold may be applied to the head, and the feet put in warm water. Hard labor is very good in conjunction with other remedies. Supplant, or root out the patient's ruling passion. See the effects of physical causes on the moral faculty- Shame has cured it; as in the Virgins of Miletus. A stern countenance has silenced a frantic maniac- as has music. They should not be irritated- Physicians should accommodate themselves to the patients- gain their confidence- Keep your promises to them, or they will never forgive you. When they are unruly, look them out of countenance; which is easily done- Catch their eyes with yours, and keep them, and you will easily outface them. Accommodate the voice to the state of the patient- after he is properly subdued we should speak gently and kindly- Avoid speaking of, or mentioning their crazy theme. Pay due attention to their dress and apartments- keep both clean.- Fright, or terror has cured it; as a horse running away, &c.- Getting passages by rote has been of service. Use gentle exercise; as sailing, swinging, &c.- Cold bath, or shower bath, 2 or 3 times a day. Divert them to a former favorite pursuit. It has been cured by association, of Place, Time, and Company- Examples of Place,- A Joiner recovered his reason on entering his Workshop;- A Minister was crazy always but when in his pulpit,- &c. Association of Time has cured it; as certain days, &c. Company, also. They should have company they were formerly fond of, and which was respectable. Opium is an injurious medicine in this state of madness, and should not be used until the pulse is reduced- Camphor is in very similar predicament. Hellebore is no great thing. Borax is not used now. Stramonium is very dangerous in

in this state of madness. Coercion has been tried successfully on the present King of Great Britain. He cannot see a Whip at this day without emotion! — It acts like bloodletting, merely by its sedative power; and should not be used, except when all the other sedatives fail. Bloodletting is the best sedative; and Dr. R. believes this disease as much within the power of Medicine, at the early part of it, as a plurisy, or Intermittent fever. — We now proceed to consider the remedies for atonic Mania.

March 1st. Lecture 92nd. — Remedies for atonic Mania, or madness of weak morbid action. Warm Bath, for weeks, and even months — it is long in taking effect; — when it does, then begin the cold bath; but not before — take the patient from the warm bath, when it has effect to the shower /cold/ bath. This mode of cure is only eligible in warm weather. Spirits, Wine, &c. are very good in this state. Opium is excellent; especially when the disease is owing to strong drink, parturition, &c. And also in Syphomania — after fevers. — Blisters — Issues — these were discovered by the good effects of abscesses. In tonic mania, pressing the carotids is a cure — how would pressing the jugulars do in atonic? — Most maniacs of this kind, recover their reason just before death; for there is mostly fever just previous to death. The stimulating passions should be excited in this state of mania — try lively music — exercise; as walking, riding, swinging, &c. Labor, when practicable, is preferable to all; as domestic services. A case of Mania was cured by making hay until sweating was induced. Males should dig in a garden, — Females should

should wash, iron clothes, &c. Salivation should never be omitted:- It is difficult to excite; but it should be always tried - even 3 or 4 times. Keep the patients clean - Whipping, and pain, have been found excellent; - and other modes of exciting anger. Avoid remote and exciting causes. When it is owing to drink, take it away - When from love, bring the object beloved to the patients presence. Cowper was only mad when he had nothing to do. Take maniacs to your own house, or under your particular care. You may prevent them from knowing they were so - make them beleive they were delirious from fever. - People generally beleive it incurable; and neglect their friends when mad - Physicians should correct this pernicious error. Some have killed themselves in their lucid intervals, rather than be gazed at through the grate of a public Hospital. We should never give over our patients - if schirri can be removed by long application, why not Mania? Dr. R. has known a desperate case, where the patient was put in hottish bath - then fed on Mercury 3 times a day! and enveloped in mercurial ointment - and afterwards blistered, and otherwise stimulated! - Symptoms of favorable and unfavorable issue - Weeping is favorable; pain after insensibility is good, - a return to old habits, &c. is a good sign - a return of affection for family & friends, &c. is a good sign - They are the dawn of Convalescence. Taking a child from a woman predisposed to madness, or who had been mad, caused a relapse: and restoring the child has cured it in such a case. The return of an old, habitual disease, which had been suspended, is a good sign; as

as piles, &c. A general fever, after bloodletting, is a good sign;-it changes a suffocated state of disease to general and free. Warm, moist hands and feet, are favorable. Remissions and intermissions are also good signs. Return of attachment for old favorite aliments, and other things, is favorable. The patients often go through all the stages of life from infancy upwards, after mania. A regular stool is good in mania, as well as in other fever. Dysentery has cured it. Hereditary madness is not more difficult to cure than acquired; but it is more liable to recur when cured. Like other fevers, its cure is easy and speedy according to the force & continuance of predisposing, remote, & exciting causes:- this enables a probably correct prognosis. Madness from drunkenness is easiest cured; but it is liable to relapse. The youngest the patient the more probable the cure. Tonic madness is easier cured than atonic; as it is easier to pull down than build up- & people generally apply sooner in Tonic mania. A return of the menses in women, after they have been suspended, is favorable. Mania from parturition, is generally cured- from Epilepsy, seldom- from Anger, &c. it is easily and soon cured. Mania generally terminates (when fatal) in diarrhea, convulsions, or pulmonary consumption. After consumption comes on the mania generally ceases.- It sometimes terminates in atrophy, in dropsy- Epilepsy- Cholera morbus- starvation; or the Attic mode of dying- &c.— Fatuity, or Manalgia- exists sometimes without the passions; and sometimes with; especially Love. The patient has a vacuity in his eyes- slobbering- antic gestures, &c.- It is our duty to attempt a cure. Cures have been effected spontaneously; or by change of habit; (or something!)

Dr. Hunter thinks, when death? is suddenly induced, there is some excitability in the system left to act on. Fatuity has been cured by falls, and pain from burns, boils, &c.- hot and cold baths should be tried- exercise, &c. The patients are great eaters- the excitement of the system is concentrated in the stomach- and sometimes a portion is transferred to the genitals. How would strammonium do, as a remedy? Spirits? &c.- Fatuity from old age cannot be cured; but it may be prevented by reading, company, &c. It is more common in country than city; because in the latter there is more company, &c. The moral faculties increase with age.

March 2nd. Lecture 93rd.- Weakness & defect of memory- It occurs without defect of understanding- First, a loss of memory for words; as asking for a bushel of wheat when a knife was wanted; &c.- It is a kind of palsy,- similar to other local palsies. Remote and exciting causes- Intemperance in eating and drinking- excess in venery- grief- constant use of opium- excess of sleep- lesions of the brain- slow, chronic fevers- gout translated to the brain- excessive bleeding for Epilepsy- excessive use of snuff- terror- Oppressing the memory with too many words- learning long passages, &c. Neglecting to exercise the memory- cessation from study; as in Newton's case- &c.- Remedies- Avoid the remote and exciting causes just mentioned. Knowledge is acquired by communicating it- The memory is aided by calling in the aid of the other senses; as seeing, hearing, feeling, &c. by means of association; as of time, place, words, sounds, &c. by trying to remember only what is worth remembering. Memory is improved by

exercising it. It is injured by memorandum books in early life. Shutting the eyes aids the memory - singing aids it in retaining words. &c. Physical means of restoring memory - If morbid action exist in the brain, proper remedies must be used. If the defect of Memory be owing to an atonic state of the body, - use spices, &c. - cold bath - exercise; as a trotting horse - delirium and intoxication bring back Ideas and words, &c. excited by the stimulus of the fever and wine. These lead to important inferences in Metaphysics and morals; but are only mentioned here that we may know how to apply those stimuli. — Dreaming - depends upon morbid action in the brain; in consequence of eating, or drinking to excess - cold - tight collars and wristbands - intense study &c. Remedies - Venaesection, low diet, &c. - Avoid its causes - use hard Labor, &c. - When the system is below the sleeping point, a glass of wine, or porter, will procure it. Somnambulists are in a higher state of morbid action; for which, bleed, &c. - When subject to Nightmare, avoid sleeping on the back, bleed, &c. — Images and Sounds sometimes infest the eyes and ears, called Phantasms - They are dreams in a Waking state - differ only by the impression being made on a contiguous part to that which transmits the idea. They are supposed to be warnings by the Superstitious - the object, or sound is never seen, nor heard by two people. Absence of Mind - is owing to the object of thought destroying the effect of surrounding objects. A different

kind

kind of absence affects stupid people - ten times to one sensible man with the former kind. It is a form of derangement - When it arises from stupidity, treat it as fatuity. Trance - in this state, the mind is shut up; and dreams of future happiness:- The patient, upon recovering, tells his dreams honestly for truth. We should keep him warm; and until putrefaction begins. - Syncope - affects women oftener than men. It does not shorten life - On recovery, they are sometimes affected with sickness and vomiting. It is caused by frights, inanition, smells, sights, miasma suddenly applied, &c. - Remedies - a recumbent posture, fresh air - friction - stimulating glysters - cold water - volatiles &c. Depletion may sometimes prevent it. - Asphyxia - In this state the mind does not act at all. Hybernating Animals are in this state - as are drowned people, &c. Drowned people sink because their fibres contract, and their specific gravity is greater than that of the water. After contraction ceases, the body becomes lighter than the water, and floats. Life probably does not depart until contraction ceases; hence it is probable that there is much less hope of resuscitation after the body swims. The remedies in this state, are Oxygene gas - fresh air - gradual warmth applied to the body - prevent inflammatory action from proceeding to a prejudicial height, by bleeding, &c. When Drunkards are affected with asphyxia use affusion of cold water - When it is owing to fixed air, or burning charcoal, &c. apply fresh air. -

March 3rd. Lecture 94th. — Diseases of the Moral Faculty — It has been diseased by Epileptic fits; though the memory was uninpaired — Another case was brought on by Hypochondriasis — Vide Dr. R's Oration in 2nd Volume of Inquiries, &c. Vice is a disease, like those of the body; and is to be treated like them. Bad company, is similar to impure air in other diseases. Idleness of Mind, is direct debility. We cure vital parts by exciting disease in less important parts; — so Avarice, and love of Pleasure, have been cured by exciting the less dangerous vice of Ambition: — Physical remedies, however, cannot intirely relieve, without the aid of moral and religious influence. Forgiveness is the best remedy for vice: — We have an example of this in the New Testament. Our New Jail is a striking example of its influence. The only way to prevent Crimes, is to make their punishment the means of Reformation. The best way to command the Passions, is to be taught early by the Precept and Example of Parents & Schoolmasters. Mathematical studies are very favorable to the government of the Passions: witness the story of Isaac Newton & his dog Diamond. Love — Excess of this Passion is disease. It discovers itself by frequent blushing — talking much; or saying nothing — love of Silence — Love renders Women awkward; but polishes Men. If a Girl love you, she will dress herself to receive you; but if she do not, she will be indifferent about her appearance. If she love, she will look much at you; or not at all. — Cure of Unsuccessful Love — Where fever occurs

occurs,- venesection and blisters!- To know if Love be the cause, bring the person supposed to be loved into the room; or mention his, or her name. A second Mistress is a sovereign cure for a love-sick swain! Absence is the Tomb of Love. Think of the Lady's bad qualities; if she have a bad voice, press her to sing, &c.- Stronger passions will remove it: Love never succeeds Ambition.- Grief- The nature of our profession must often make us witness this. It brings on Catalepsy, Hypochondriasis, Melancholy, Death, &c. Bad news should be told gradually. Tears are a sign of grief; but above the weeping point, other symptoms occur. Sometimes persons in grief are affected beyond sensibility- they sometimes sleep sound- this is owing to the stimulus of one idea wearing down the system to the sleeping point.- Cure- Uncle Toby's example- Silence is the best Sympathy. After proper silence, consolatory discourse about prospects after death. We should not avoid the house of Mourning after the death of a patient- visiting it is of service on several accounts. Survivers should remain at the house where the patient died; for familiarity with the scenes soonest wears off the distress. Opium- Our discourses should be on general subjects- Avoid mentioning the deceased; or any thing relating to him. Never speak with levity among the relatives of the deceased- It's stimulus is out of all proportion to the excitability of the mind.- Anger- "be angry & sin not- let not the sun go down upon thine Anger"- Anger, when vident, causes Epilepsy, Apoplexy, profusion of bile, &c.- Religion, and the moral sense, are the best remedies- A sense of Good Manners; for the term Gentleman means especially one who can command this passions. Count 20, or say the Lord's prayer,

prayer, before you give it vent. Fear is an excellent antidote! Cold water - Milk and vegetable diet has cured an irascible diathesis. Fatigue and thirst dispose to anger; and should be avoided. Go to bed & take a nap upon it! - Fear - consists of both reasonable & unreasonable. Of the former kind, is the fear of sickness & death - of the latter, the fear of Ghosts, speaking in public, of certain Animals &c. - Fear causes pale urine, discharge of fæces, fainting, Mortification, &c. - The fear of death is remedied by meditating on it. Soldiers are always brave in a direct ratio with the number of escapes they have experienced. Noise alleviates fear; as whistling, &c. The fear of surgical operations, and of speaking in public, is cured by Laudanum, and coughing, or hawking - these prevent atony of the brain. Create counter motives; as glory in Soldiers - rewards to Children in operations, &c. - The fear of, or antipathy to, certain Animals, is cured by resolution - Horses have been cured from starting at a wheelbarrow, by feeding them on it. - Joy - creates thirst - is easily cured - moderate it. - Envy and Malice. - Excess of Venereal Appetite - is a disease. It causes Nocturnal pollutions, onanism, Hypochondriasis, &c. It is caused by excess of drinking, indolence, and sedentary Life. It often takes place in the convalescence from fevers. - Remedies - first, Matrimony and fidelity - If that be not practicable, low diet, society of modest Ladies. Castor oil receives its name from a supposed efficacy in relieving this excessive excitement of the genitals; but it probably acts only by opening the bowels. Mathematical studies are good. A fit of Lust has been cured by

laughter. Avoid lascivious conversation and company. Certain tones of music are useful in appeasing lust? Salivation, &c. – Absence of the Passions – In this state, people neither hate nor love any body. Use Tonics – cold bath – Pain? salivation. &c. – In treating of these subjects, says Dr. R., I have been sailing in a balloon. – You must judge whether I have descended safely – I was without a pilot.

March 4th. Lecture 95th. – Venereal disease –

There are 2 forms of this disease; viz. Gonorrhœa, and Lues. The former is divided into Gonorrhœa Benigna, and Gonorrhœa Virulenta. Gonorrhœa benigna is brought on by difficult coition – bruises, or wounds – gout – Acrid matters in the Urethra – Cessation of Intermittents – Coition after long abstinence; or a change of female – hard labor; in Carolina it appears from this cause, and is similar to fluor albus in Women. – It has been induced in children by dentition. Gonorrhœa Virulenta arises from impure coitus – laying in an infected bed – sitting in an infected privy – wearing infected breeches. &c. Hard drinking will sometimes revive it, when nearly cured. The time of it's appearance is from 2 to 12 days after exposure to infection – some suppose much longer. When it lies dormant long, Dr. R. suspects it to be gonorrhœa benigna, and a symptom of gout. The G. Virulenta is easily cured, by depletion – Mild injections – sometimes a little astringent – mercurial Unguent made without Turpentine, &c. For a Chancre, Mercurial applications, &c. Buboes arise frequently from irritation in the Urethra, and are easily removed by removing the irritation: Mercurial ointment above, or below the Bubo. When inclined to suppurate, apply proper suppuratives. Never open the bubo if it will open of itself – but if not, use caustic. – Swel

Swelled Testicle - for this, use the suspensory bandage - cooling applications - &c. -- Phymosis - keep the parts clean - wash them with urine; - if this will not do, use circumcision. -- Paraphymosis - cooling applications - tapis - &c. -- Chordee - sleep in tight drawers - keep the bladder empty; a full bladder often causes it, - and by emptying it, this troublesome symptom may be prevented - Injections, of 30 drops of the Tincture of Tobacco? in flaxseed tea - &c. -- Gleet - excite inflammation in another part - see Urethra - but Dr. R. would not advise this. In some cases Matrimony is good - gleet has alternated with Consumption. -- Gonorrhoea dormientia - is a discharge from the prostate gland, or of semen, during sleep - Avoid sleeping on the back - Matrimony is good - Cold bath - & salivation. There is another discharge from the Urethra, called by Lieutaud, a Catarrh of the Bladder - it is a discharge of mucus from the bladder. Cover the external adjacent parts with leaves of Tobacco, &c. -- Lues - Gonorrhoea did not appear in Europe until 50 years after the Lues? but still Dr. R. believes it to be a different disease - as the variolous & vaccine diseases have appeared at different periods. Lues affects the bones, muscles, fauces, &c. occasions warts, Ulcers, &c. - for all these, Mercury is the cure. The quicksilver pill, formed by triturating crude Mercury with honey, is very good - More of it may be taken in this way without salivation, than of the saline preparations - and salivation should be avoided if possible - it is disagreeable, &c. -

But

But if necessary, excite it by Calomel, &c. We should always attend to the diathesis of the patient; for in cases of debility, opium, bark, and Wine should be prescribed - and in cases of too much action, bloodletting &c. — Lues is sometimes combined with Itch, Scurvy, &c. Treat it according to the indication &c. &c. — Sometimes the patients have a Noddle pox! A long time after having it and being cured. They suspect it, and are miserable - We may assure them of their safety; but never give medicine after that, or they will suspect you think they are not safe. Dr. R. did mischief that way once. Hypochondriasis counterfeits every symptom of Lues; and we should be aware of it. Vide Hunter et Swediaur. Cancer - is a painful tumor ending in a sore of bad complexion - it often succeeds schirrus - is generally seated in the glands - is more common in Women than Men, and most in unmarried women. The Matter of cancerous tumors is lymph; and the fibrils are lymph thrown in that shape. In the Uterus, Vagina, &c. they are mostly incurable. In old people the fluids are more acrid. It is a rare disease in Warm climates. The belief in this disease being incurable, is one great cause of its being so. Cancers are more dangerous in the lips, from their connection with the Lymphatics. Remedies are internal and external. Occasional bloodletting - low diet has cured it - Narcotic substances, as Cicuta, Solanum, &c. These

only ease pain - Bark and Steel, &c. - Salivation? - Extirpate early when practicable; but be cautious after they have ulcerated. Tumors of all kinds, especially on the face, should be extirpated. External remedies - certain vegetables as Poke root, Indian Turnip, &c. - Caustics - as Lunar caustic, Corrosive sublimate, arsenic, &c. - Proper diet in the early stage, is good and efficacious. - Rickets - are known by a large head, large joints, &c. This disease first introduced the wearing of boots. It is said to be caused by deficiency of earthy matter in the bones. The early use of the legs does not cause it; as has been alleged - but the contrary: - hence it is most common in poor children who have to sit, and crawl about, &c. - We should bleed in cases of great morbid excitement. Unction with the oil of the skate-fish has been used. - Cutaneous diseases - are considered by Dr. Rush as an Unit - differing only in form, degree, &c. - They are often caused by vitiated fluids / venereal causes - Sometimes they are unconnected with disease of the fluids; as local poisons, &c. - The proximate cause is morbid action in the sebaceous, or cutaneous vessels. Remedies - depletion or tonics, according to the state of the system; - as animal and vegetable food have each cured it - as have bloodletting & purging, and bark & tonics, &c. decoction of woods - Eupatorium perfoliatum - small doses of arsenic have been useful. Unless in an exposed part of the body, certain harmless kinds of eruption should not be touched; - but if that be the case, we should substitute Issues. When

they are symptoms of general disease, we should attend to the original - always to the state of the system. Cold water has been used - emollient applications - salt and water - fasting saliva - preventonics, &c. - An ointment of Tar & Hog's lard - Unguentum citrinum - Unguentum saturnini - Nitre - Alum - Sulphur & Lard made in an Unguentum called Hazlewood's ointment. Washing with a strong decoction of Walnut leaves - of Tobacco leaves - holding a hot iron to them, and then applying decoction of bark - Lime water - salt dissolved in Urine - an easy mind - climate has great effect. Where these all fail, destroy the cuticle by blisters, or arsenical solution. - Prickly heat - is a salutary disease in warm weather, and in sickly seasons. It is a remittent fever thrown upon the skin, and should be treated with nicety.

March 5th. Lecture 96th. Prickly heat should never be repelled - it prevents even yellow fever, in Barbadoes. Prurigo Cutis - or itching of the skin, is either local or general. Use application of cold, or warm water - bleeding - application of Mercurial ointment - &c. - Tetter - is sometimes cured by change of residence - Unguentum citrinum. - Ring-Worm - is caused by an Insect - I cannot believe it - is cured by ink - Nitre, Nitric acid, &c. Itch is cured by sulphur, and Unguentum Mercurii. - Tinea capitis - is often caused by pediculi and dander - is cured by cleanliness. &c. - Morbus pediculosus - is cured by Mer-

Mercurial ointment, &c.— Ulcers are diseases of the skin, and should be treated according to the state of the system.— Burns are relieved by lead water, cooling poultices— Stramonium ointment is very good for burns & piles— cold applications, &c.— Diseases of the Blood— Dr. R. rejects the old doctrine of Boerhaave, that lentor is the proximate cause of disease. Dr. Seybert has proved that putrefaction cannot take place in the blood of a living animal— When there is a deficiency of red globules, use nutritious diet, &c.— Diseases of the Hair and Skin— The hair falls out sometimes;— for this, cut the hair, & wash the head with spirits, &c. If it cease to grow, the ends split, &c.— for this, cut the hair also.— Dr. R. thinks the thick, hanging lip of the negro is caused by grief; as is the case in children pouting, &c. hence cheerfulness is most favorable to beauty— & hence the poorer class of mankind are seldom handsome. Diseases of the Cellular Membrane— Halitus causes temporary swellings in the legs of hysterical women.— cure— friction, &c.— Diseases of Voice and Speech— hoarseness from want of mucus, has been cured by salivation. Paraphonia from debility of the glottis, or tumors in the trachea;— is relieved by salivation and blisters. Aphonia— paralysis of the muscles of the glottis— for which use salivation & blisters. Stuttering— is either innate, or acquired by imitation— It has been cured for a while

by violent pleurisy; but recurred on recovery. It has been cured by speaking slowly. — Diseases of the Trachea a Tracheal fleet predisposes to consumption — Do — The Liver and Spleen are subject to local disorders for which, use mercury, friction, & cold baths — Obstruction of the Spleen is very seldom fatal — The Omentum when disordered, must be treated like the others. Diseases of the Urinary Organs — The most frequent cause of suppression of Urine, is Calculus. There is a Calculous diathesis in Man, and many other animals. These latter do not suffer so much, because of the horizontal position of the bladder. Some Nations are more subject to Calculus than others; as the English, French, &c. more than the Swiss, &c. — Women are less subject to it than men; owing to their having a shorter and wider Urethra. All parts of the body are subject to it! — Well-water causes it more than river, or spring water. Acids certainly predispose to it. Haller denies that Beer does. — Remote causes — hard riding — long standing; Dr. R. thinks it may be produced without a nucleus — but it is not often. Retaining the Urine too long, acts as a remote cause — studious men are subject to it — Newton. Dr. Laying much on the back favors its formation — hence, probably, Children are more subject to it; as they lay much on the back. Dr. R. knew a case

where

where it was congenial. The incomplete discharge of Urine, from laying on the side while doing it; as in bed; acts as a remote cause. Symptoms - Numbness of the thigh - retraction of the testicle - pain in the bladder; this pain is much increased by riding. It is the most excruciating pain the body is subject to; for the whole system sympathizes with it. Dr. R. thinks the calculous matter will be found to be of an animal nature. Cure!!! - first, in the paroxysm. A fit of stone is as much an Unit as pleurisy; and is to be treated like it, nearly. 1st. by venesection, according to the state of the pulse & pain - vomits are recommended by some - purges are good - injections - Warm bath - bruised onions to the regio pubis - draw off the Urine with a catheter if the bladder be full - Vegetable Alkali - Mineral Alkali &c. These last may do good good as preventatives; but not as solvents. Vitriolic acid, and Uva Ursi act as tonics, and thereby prevent the debility which invites a fit of gravel. Cold applications - gentle exercise; as playing at bowls, and digging in a garden. A diet of sugar - black-berry jam - &c. Avoid all exciting causes; as acid diets, lying on the back, &c. The great secret is to begin very early, and continue Tonics, as Uva Ursi, &c. after the pain is removed a year or two: but Uva Ursi should never be given in a paroxysm. Ischuria - is sometimes caused by engorgement in the kidneys - sometimes by pressure of conte-

contiguous parts; as of the colon. Obstruction of the Ureters is caused by inspissated lymph or gravel - or pressure of the rectum:- for these, bloodletting, purges, glysters, &c.- Sometimes ischuria is owing to over-distention of the bladder, or inflammation - for these, use the catheter for the first; bloodletting, purging, warm bath, laudanum, &c.- When the disease is owing to paralysis of the neck of the blad-der, use stimulants - calomel & opium - Tincture of Cantharides? salivation - &c. If all fail, tapping must be performed;- for the bladder has burst, from agita-tion and distention. Suppression of Urine from blisters, is relieved by demulcent drinks and lau-danum - bleeding is seldom or never necessary in this case. When it is owing to stricture in the Urethra, use bougies - &c.

March 7th. Lecture 9th.— Diabetes - is attend-ed with a quick, full, and hard pulse - costiveness - palpi-tation of the heart - increased appetite - &c. Remote causes - bruises on the kidneys - Spirituous liquors, when they purge, - but when they constipate, they affect the head - dis-tending the stomach with water. The liver indicates dis-eases by a yellow color in the eye - The saliva? is sweet-ish to the taste in this disease? - The kidneys are spon-gy, and have a sour smell.- That state of action which produces a saccharine matter is not confined to the kidneys - There is a sour sweat which may be called a diabetes of the Skin. There is a diseased state of the stomach

stomach attends diabetes always. It is of much less consequence to know the nature, than the degree, or state of the disease.— Remedies— small & repeated venæsection— Darwin recommends alum— Dover's powder— lime water— Yellow bark— Emetics? Purges? low diet— alum whey— steel— cold bath— salivation, and afterwards constant exercise. Diabetes alternates with gout— Oil is rubbed over the skin in scotland. Remember, gentlemen, says Dr. R. that there is a great difference between reduced action, by depletion, and by continued morbid action;— or Indirect debility. Much will not be done in this latter case when stimuli are given; and before the action is reduced, they will do harm. The proper medicines given in the proper time, is the perfection of the Healing Art.— Diseases of the Brain and Nerves— Excess of Irritability and Sensibility, has been called Mobility— a deficiency of Irritability, Torpor— of Sensibility, Stupor— of both, Inertia of the nervous system. Vide Cullen.— Morbid Sensibility— arises from such causes as running a needle under the thumbnail— &c. Light has been painful to a Lady for 2 years, in North Carolina;— as have sounds, &c.— In this case, considering how much fulness of the bloodvessels increases sensibility, we should not omit venæsection.— Morbid Irritability— is attended with convulsions, spasms, &c. This has been suspended by pain; as rheumatism— and suggests the propriety of giving Medicines to cause pain. These states existing

existing independent of each other, may shew us why great pain may exist without morbid action being evident; and vice versa!- Defect of Sensibility- in this case, pins, &c. may run in the body without giving pain.- The Remedy should be adapted to the remote cause!- If owing to cold, heat cures it- if owing to heat, cold cures it- &c. Defect of Irritability- In this case, bloodletting, and afterwards the cold bath- exercise- &c. defect of both Sensibility & Irritability- first use the hot bath- then the cold bath- salivation- &c. &c. Diseases of the Eyes-. Squinting- for this, make the child look at itself in a looking-glass a quarter of an hour twice a day- make it look at small objects- Wear Barnacles; or an Instrument somewhat like a pair of spectacles, with holes in it to confine the sight- Avoid viewing objects sidewise; as a black patch on the Nose, &c. Myopes:- or near-sighted- is owing to too great convexity of the eye- it is congenial with all children; but goes off- Remedy, concave glasses- Those people have natural sight in the evening of Life.- Presbyopa- just the reverse in every respect. Nyctalopia, or Night-blindness.- Gutta Serena- is caused by fevers, violent coughing, &c. It is a palsy of the optic nerve.- Remedies- venaesection, cupping, Errhines, setons, vapor of hot coffee- of spirituous Liquors- &c. Its approach is known by mistaking when threading a needle, snuffing a candle, &c.- Avoid reading in

small print. Always receive the light from behind. Avoid going from profound darkness suddenly to great light: Horses are often rendered blind by this. Wear Spectacles as soon as the eyes begin to fail.

Deafness - It's approach may be known by a va:
:cancy of countenance in the patient, when in company; from want of hearing.. It has been caused by salivation - Insolation - sudden stoppage of old Ulcers - Wax in the ears - Pressure of the Meatus Au:
:ditorius Internus - Relaxation of the Membrane Tympani - Rupture of it; though this does not always cause it - Palsy of the Auditory Nerves. A tendency to this is the cause in old People. The Remedies should be adapted to the remote cau:
:ses. When brought on by Inflammation, bleeding, low diet, errhines, &c. Vertigo is often the effect of incipient deafness.. When deafness is owing to Ca:
:tarrh, - Venesection, and snuff; or errhines. When all these fail, try a salivation. When the disease is caused by Insolation, use the remedies for this last disease. When it is owing to salivation, use the proper remedies for this; or even renew the sa:
:livation. When it is owing to repelled Ulcers, or eruptions, restore those. When owing to wax in the ear, inject warm Milk & water; this will not dissolve the wax; but it loosens it from its adhesion to the ear. When it arises from swelling of the Parotids, use discutient plasters.

when

When from palsy of the auditory nerves, common salt put in the ear - volatile salts - oleum succini, or weak tincture of Cantharides injected in the Ear. When it is owing to fruitstones, &c. or Insects in the Ear, - extract the former; and pour in spirits, or sweet-oil, for the Insects.

Tinnitus aurium - is connected with deafness. Wear wool, or cotton in the ear - woden nightcap - Wig. When partial deafness occurs, turn the side of your head towards the person speaking, and make an external ear with the hand - use an acoustic.

Defect of smelling - is caused by ulcers, paralysis, &c. When owing to ulcers, cure them. When to palsy, use stimulants. - There is sometimes a dislike, from Idiosyncrasy, to certain smells, and aliments; - cured by resolution. - Some people have a morbid sensibility to the heat of the sun; they should wear white clothes - white paper round the hat - a handkerchief in the crown, &c. Avoid standing in the sun, - or drinking much in the forenoon - or very cold water at any time. &c. - When very sensible to cold, we should wear woden socks over boots, &c. - A man disposed to consumption, prevented it by washing his hands, feet, and face, in spring water every morning. Do not go to the fire unless very cold. Sensibility to cold has been destroyed by exposure to heat, and then to cold - afterwards they did not feel

cold

cold so much. When we are pained by cold, we should put our limbs in cold water; for it will be warm to us, and it restores heat gradually to them, preventing great pain, and sometimes inflammation & gangrene. Life has been preserved in two people, by laying with their feet against each other's breasts, and laying a coat over their heads to confine the breath; and keeping the hands warm. Life has also been preserved by swallowing little Tobacco in this state of exposure. Frictions &c.

March 8th. Lecture 98th. — Diseases of the Genitals.

In Males it is sometimes congenial; and sometimes caused by excess in venery in early life. Onanism and Hypochondriasis. Relieved by tonics, cold bath to the parts &c. — Seminal Weakness; Nocturnal Pollutions &c. Live low, or on lax diet to avoid cause for straining at stool. local cold bath &c. — Diseases of Female Genitals. Furor Uterinus, is attended with turgescence of the parts; or even Inflammation. obscene discourse and gestures. Cured by solitude & depleting remedies &c. — Barrenness is caused by fluor albus. schirrus. dropsy of the Ovaria. general weakness. over anxiousness to have children; as anxious wishing to recollect things prevents it. When it is owing to general weakness, use exercise, sea bathing, &c. When to suppressed menses, or fluor albus, &c. Use the proper

proper remedies for those diseases - Change of climate has effected a cure - as have other diseases. Long separation from husbands - cessation of vehement desire - &c. have removed sterility. - Diseases of Women - The menses require attention to the state of the system: - Leucorrhoea, or Whites; is often a substitute for menses in girls of weakly habit. It sometimes is local; and occurs in robust Women. When general, it is cured by tonics, &c. - When local, by a remedy used for gleets - viz. ℞. Sacch. Saturn. ʒj. Corrosive sublimate gr. ij. Spt. C. Cervi ℥ss. xx. Aq. font. ℥vj. Misce fiat Injectio. Ter in die. - Diseases of Pregnancy - Pregnancy is a diseased state. There is a morbid excitement, either in Uterus, stomach, or blood-vessels, sickness, &c. - Cure; gentle vomits, - small, occasional bloodlettings - &c. Toothache is sometimes the first symptom of conception - for this, the tooth may be extracted safely. Costiveness occurs - for which, use Lenitive Electuary. Ischuria, - and Involuntary running of Urine - Swelling of the Legs; for this, venaesection, and gentle purges. Cramps; especially in the lower limbs - sometimes cramp attacks the Uterus and proves fatal: - When slight, the patient should jump out of bed & walk about - but when powerful, bleed, and purge, gently. The translation of it is to be dreaded. - Sometimes Dyspepsia attends - it should be treated

as in other cases. Jaundice.- Avoid wearing tight stays; they compress, and cause sore nipples. Is Bleeding proper in pregnancy? Writers are divided on this subject. Where exercise will prevent ple=:thora, it is not necessary;- but otherwise it is useful. Bloodletting eases the pains of parturition; and should be used when necessary;- It also prevents consequent diseases. But sometimes diseases fol=:low Labor;- as Milk fever- puerperal, & miliary fevers- sore breasts- swelled legs- &c. For sore breasts, Wash with cold water- anoint with sweet oil, bal=:sams, &c. &c. puerperal fever comes on from 20 hours to 3 or 4 days- & some say 6 weeks. It mostly attacks weakly, but sometimes robust Women. The pulse varies in this disease- There is a pain about the pubes, and lower part of the abdomen. The patient has a dry tongue- sorrowful countenance- one or both legs swell- The breathing is quick & short- The patient cannot turn- is obliged to lay on her back. The matter discharged from the vagina is green, or yellow; and sometimes black; is offensive to the smell, often- The Stools are green, or mucous- Urine small and red.- Sometimes there are eruptions, petechia, &c. The peritoneum, and all its reflexions are very much diseased. This disease is caused by acrid matter collected in the bowels by

costiveness, compression, &c. It is also caused by breathing impure air; as in Hospitals. In the first case, the compression, distention, &c. act as remote causes. Parturition is the stimulus which excites the disease; which disease, falls where it ought by a Law of Nature; viz: on the weakest part. Remedies. Venæsection; Where signs of great violence appear, it should be used even in cases of weak pulse. It should be used early; but even as late as 12 and 24 hours, it has strangled the disease. Small bleedings have no good, when copious venæsection has cured. Gentle laxatives, according to the state of the pulse. When the pulse is pretty firm, as Typhoid, & upwards, a gentle diarrhœa is of great use; but where the pulse is Typhus, the diarrhœa should be restrained. Disputes have been carried on about Bark & Blisters in this Disease; but they may be easily settled by attending to the state of the disease, and of the System. Bark cannot be good in Inflammatory action; but where the action is Typhous, it is good. &c. Fomentations are good. & pure air is excellent. Prognosis. a dark vomiting is bad. Petechiæ. great wakefulness, &c. are bad. & dry skin is bad. &c. The disease is prevented by cleanliness, low diet, pure air, &c.

March 10th. Lecture 99th. and Last. Diseases of Children. They are sometimes strangled immediately after birth with the Liquor Amnii:- No cure is yet known for this. They are subject to Trismus Nascentium; owing to retention of Meconium - to cutting the navel string with dull scissors - and to foul air. The 1st. is cured, or prevented by purges - The 2nd. by cutting with sharp scissors; or applying spirit of Turpentine to the Umbilicus - and the 3rd. by pure air. Red gum - aphtha - cured by gentle purges, and washing the mouth with molasses and water. Belly-ache is most common with children in stormy weather - When vident, use venaesection and purges. Sometimes the glans penis is covered by the prepuce so that they cannot Urinate - for this case, use circumcision. Bruises on the head should be always attended to - use venaesection, &c. - When the prepuce is wounded, and paraphymosis is produced, apply cold water. When children swallow nails, coins, &c. Castor oil, & other mild purges, are best to discharge them. When they put cherry, and other fruit-stones, coffee, &c. up their noses, a crooked probe is best to extract it. Children are subject to Erysipelas - Vide Underwood. Worms - Tenia - Lumbrices - and Ascarides:

Ascarides. The round worm is of service; or at least, is very common to the bowels of young Animals. When in great numbers, they cause numerous diseases; as Hydrocephalus, disorder of bowels, convulsions, &c. Remedies - Steel, calomel, tin, &c. Some vegetable remedies; as Uva Ursi, &c. - Sugar, & Molasses in the morning are good preventatives - Salt is good: & salt & rust of Iron taken in Molasses is very good. Worms do not often cause fever - it is the fever that routs out the worms, when they appear during fever; like rebuilding an old house starts the rats. Tenia, or tape worm, is very seldom seen in this country: It is an Interloper in the bowels, and should be expelled as soon as possible: Tin is said to be a good remedy for them. Ascarides are best treated by Injections of Tobacco smoke, salt & water, &c. - The diets of Nurses should always be regulated, in the diseases of children. - It is the business of Physicians, not only to cure diseases; but to lessen human misery. Man, and all Animals die without pain when they die of old age. The minds of Men are often most clear and forcible just before death. - We should never forsake our Patients. Ought we to give such medicines, in incurable diseases, as will suddenly and easily kill? - Dr. Rush answers No. We know not how far

the power of our art extends; nor our ability to relieve. — Remedies which ease the pains of death — Those which reduce the painful action of the bloodvessels; as venesection — abstinence — &c. Blisters derive pain to less important parts, when applied. Where Inanition is the cause of Uneasiness, — or great debility — use cordials, &c. — Where great appetite precedes death, it should be indulged. Opium equalizes excitement, &c. It need not be given so as to cause sleep. It has been given in the last stages of Consumption, mania? &c. Warm bath? Unction of sweet oil. Drink should always be given to a dying patient in a recumbent posture; for even raising up the head & shoulders, has induced death — and some have died on rising to go to a close stool, who might have otherwise recovered. Dying patients should never be left alone — Company inspires fortitude; witness the case of the French King. But the company of near or dear relations often increases the pain of dying. Hope of a recovery should never be suddenly abstracted — it should be gradually withdrawn. The Physician should never tell the patient of his fatal case, unless demanded by himself; — but he should always inform the relatives. The patient should be supported by religion. — It may be said in favor of those remedies, that

that they are calculated to restore health, as well as smooth the passage out of Life. We should never talk of Interment in the chamber of the corpse for some time after death. (Dr. Rush, at the conclusion of his course, bade his class a most elegant and pathetic adieu!)

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